



1645

SEQUENCE LISTING

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<120> Molecular Toxicology Modeling

<130> 44921-5038-US

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<151> 2000-07-31

<150> US 60/222,880

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<150> US 60/290,029

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<151> 2001-05-22

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<151> 2001-06-06

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<151> 2001-06-19

<150> US 60/303,459

<151> 2001-07-09

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<170> PatentIn Ver. 2.1

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<212> DNA

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<221> misc_feature

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<213> Rattus norvegicus

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<210> 9
<211> 683
<212> DNA
<213> Rattus norvegicus

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<212> DNA
<213> Rattus norvegicus

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<220>
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<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
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<211> 604
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA799560

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<212> DNA
<213> Rattus norvegicus

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 <212> DNA
 <213> Rattus norvegicus

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<213> Rattus norvegicus

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<223> Genbank Accession No. AA799633

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<211> 591

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. AA799645

<400> 19

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<211> 616

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. AA799672

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<213> Rattus norvegicus

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gggagtggct ggtgccaaat tttaccccc tcgcccggat gaggtgtcag tgatctacca 540
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<210> 22

<211> 616

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA799744

<400> 22

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tcttctcaat aatttataac atgggggaaa aaaagcacia aaaaaaata aatattgaaa 180
tgaaattgcc aagtggcagg cggctgagga tgccaggcct cggcatgac ggcatgtgtc 240
cctgacacct tttgaaatag ttaaagcttg ctttaagaag tcagaggaac aagacagaaa 300
actcactttt atctttaaat aaaaacatcc atatattatt aagttgtgac aatgaaattt 360
cagtgacacg aagccatggg gcatgtcac acccttccca gccccctcct ggcagggtgc 420
ctctgcagg gctccagtgg tactgacagc cctgtctccc ctggccgcca agagtatggg 480
gcctccaccc aggaggacca ccagaggcca ggagcgggca gcaagccagt cagtgggtcac 540
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ctgatggagg ctgttg 616
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<210> 23
 <211> 567
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA799766

<400> 23
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 ttctcacagg acttaagcca ccgctgcaca ttggtgggcg ctgccccact gcttccccca 180
 gtctgctgga gcacggacca cagcaccaca tctgccacag tgagctcatt cccaaccaac 240
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 tcaatggggc acatcgtttg taaactgaac ttcatctgtg tcttgggcac gttcttccaa 480
 atcagagtga agcccagctg atactcgtgg cgggactgtt ttctagcctg ctccccgaag 540
 cacttgagaa gattctcagg tacattc 567

<210> 24
 <211> 556
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA799803

<400> 24
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 tggattctaa cccaatgaat gctggcttca gttttcatct ccaatctctt tcttgatcca 180
 gtcaacataa ttcagtaact tgggtgtaaaa gccgtatccc tcaccacacc caatgcccc 240
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 cccactgtcc ccctggcagg cgtcatgctt gagagttggg tccccagaac agaacatatt 360
 ttgagaaaat acatcattac tgtttttcgt ccggagccac ctctggcatg cctctcgatc 420
 ggctatgggc agacggacaa acctgagatt aaaagctatt ttatcttctg ttatcccgaa 480
 gccgctgaca taaccataa ggtctttgtc ataaaaggtc tcattgtctg ggagacagat 540
 ggggaggagg ttggga 556

<210> 25
 <211> 582
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA799804

<400> 25
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 tgtagcttg ctgtgatcag aaggatagcg ctttgctgta atttatttaa aatgtacct 180
 acagcttccc tcacagtaac ttgactgaaa ttacaacagg aaaagaaacc cagcatttat 240
 tcctaggttt agacataacc cacacaaagt tccaactata tggcttctat actttttcgt 300
 gaaggtgcgc aaaagaaatt cggatctcac ttttagacaa gaatttcaga tgcaataagg 360
 caacctctga agtccaaagt tcaatgaatg cacaacagtt caagcagcag ataccacctc 420
 agaggaaata tttagtttgc ttctttgttt ccctccagtg ttaatcctgc taatgtctgc 480

taagggtcaac catgactgga acacatgctg ctgatccagt tgttcaagac cagcctgggc 540
aacacggcga gacactgcct cagaacaagg agtgaaaaca ga 582

<210> 26
<211> 500
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA799812

<400> 26
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gtttatatct agatagcctg attctctcct ctgaaatgaa atggagacca ttgtaacctt 180
gggtgaacga acacacttgt tcttctgtat agacatgaat tctttacata aactcaacat 240
taatttgaat caagtttaga atcctgagaa agtcacccac ctacaggcat acaaagacac 300
acacagacag acacacacac agagacagac agacaggcag gcagacacac acacacacac 360
gcacgcacca ctcttgagaa gcagtgttct tcatggacac ttactagaag gtcattttctc 420
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<210> 27
<211> 612
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA800059

<400> 27
ggcgtactag aaagtaccag gttttattat ctttttatca aaaaaatcag taacagacaa 60
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gaccctgcac ggaggtggtg atgggggctt acaggcatag ggcattggtg agggagtggg 180
atgaccgccc cccccacac cagcccagac cttttaagct actaggtctt tcctctgtaa 240
gagggagagt cctgggtgac aggagtccct gggacctcat caccttcctc ctaagtcccc 300
ttctcttgcc cggggagaca agcaaaactg aaccgtaacc tgctaaacca gcctcaatct 360
ctgtgctcgg tggatggtga ctaggcactt aaattgtgtg gccagtgcaa caggggaatg 420
atttccaatc acatagtcaa atggactgat tgatacaacc acatgacgtc actgtattgg 480
ctcatgcatc tagagagcct gggagaagca aaccataagg tcctgggcag aacccccggc 540
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ccaatgtcat gg 612

<210> 28
<211> 599
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA800169

<400> 28
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attatcatca agatgggaaa catgggcagt actggcactg ctgagagtcc tacatcttgt 180
tccaaaggaa accagaagac tgtcttccag gcagctagga gaagggtctc aagctcactt 240
ccacagtgtc gcacttcttc caacaagtcc acactactaa tagtgccatt ctctgggcca 300

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agcatattca aacacatgag tcgatggggg ccaaacctct tcaaaccact acaagtagaa 360
ttctcatgaa atatgacttc atgattgcta gactctaata caggatTTTT catcttTgtct 420
tttactattc tcagtataat caaacactga aatatttact tatgtgacta tataagtcac 480
acacaaaaat gttaaactaac attaataggg aaaattttca agataaatta cttagaaata 540
atTTTTataa tcccaacact taggaggcaa aaagcaagta agtgtaactt ttttcccc 599

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<210> 29

<211> 613

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800243

<400> 29

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acaatatgca agagactgat tcgtatgttc ccagacactc tgctgttagt cgcttcctaa 60
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cctgggtacc accaccaaac cccgttcctt cctctgacat cccacagcct gtaacagatg 180
gtagagaatt tgcgtgaaag ctgggtccct ggacctctgt atctgtgatc tgattacatg 240
aaccagcctt tggcgctagc cttgggggat ggctgctctt ctgtgtcacc cagtgtcgg 300
agcacataag cgcccgcata aaccaggaac tgtccgggtca cctgggcagc ataggatgcg 360
aaccgcagca gactccttaa caaggccttg aagcttTgtgc agcggaatc atacgacact 420
gagtacatct catacatggg ggctttgaca ttgagacagc cgaggaagtc cttgggattc 480
agcctgtata ggtcgaaggg gactctggct attcctgact tctttgtttg tgtgcagaca 540
tacttattgc ccggtgtcca tttctgtccc ttttccaaga tcatgaagtg tgtgttTgtct 600
cttaggtct gaa 613

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<210> 30

<211> 560

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800318

<400> 30

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gccagttcct aaggctggaa gtggctaggg caggcagtg cgaggaaata gctggatgag 180
ctgaagcttg ggtggcagtg cttactcaag cctgactcct gcctgtctca ggccctgggg 240
tcatatacac ggcccatgaa gactgggaac ttgtgtcgct ggtcccagag caggaagagg 300
aaaggctgct gcacctcaaa gatgagtaag tttcgggcca cggagatggt ggaggctgcg 360
gctgcttcca cacctgtctc tgtcagttcc aacaccgtct cgtgtttcat ggaagacacc 420
tgaagatctg ggtcctcagt cagcccacac aggttgagat cgtaagtga gtcaaagaat 480
tccagtttct ccatgattga cagcatgtct tggatgctct ttactttaat gcgaggcatc 540
atcacgtaag tgggctgaaa 560

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<210> 31

<211> 560

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800339

<400> 31

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gcaatgttga ggtctactgt tacaaaatcc aagttaatat ttcccttacc tagatgctca 120
agagagcagt ctagctttgt tattttccac cccctcccta gaccagctc agaagttgct 180
cgggactact agctaccatc tgcttaacct tctcaggcaa gaggctagggc agcttctagt 240
tatacgaatt caggctcaga gcctcaccgg ttaaaaacaa ggctggagat gccctagggc 300
agaaagttgg gtaacagggg ctatgtcctt gtgctggagcc ctccctgtgg ggattggagg 360
gatgggacac agtgtgcatg aggacgggag aacaaagagc ctgggacaat ttatgtttata 420
ctgaactgtc cattcgggtc attcattccg ctaaaccgtt cataaaatta agagtattct 480
gaatggccta tgtctttctt ctctccccag gactcctaga agcctgcact ttccacaaaa 540
gttaaaatcc aagagggtggg

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<210> 32

<211> 678

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800429

<400> 32

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tattgaacaa gcttctgctt tattttattgc aaatgttact ggatgacttt ctaggtaaaag 180
tgttcagggt tggagctgta tgaaatctgt aatcctagat ctgtcttttag gaaaccaata 240
ctgttgacaga ctctcctgtg gtataactaag cctcaaaatg acctcttctt aaaaggacct 300
accaaagttg tacttggttc tggagagaag gttcagtagt tactaactag cacctgttct 360
atagacccca tattccattc ccaccacca tatggttcaa agccaacagg aattcaaatg 420
tcatagtacc ttacaccccc tgctggcctc tcttggcact acagagacac atgcaaatga 480
agccctgata ctcacaaat aaaattaaag attaaagaca aattttgggt tcatgaaatg 540
aattctactt ccattcaaca ttttacaaag aataatggga ttcactcatt ttcataatta 600
gcctttggag gcagatataa gaatttaatt tatgttttga tagtacagaa taaagactct 660
aaatatgttc tcacacaa

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<210> 33

<211> 572

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800551

<400> 33

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aacactttgt aatcagtata ttagacagtc atacatttca gtaactgctt aaattctgat 60
aaccagattt aagcatgtaa gcatgtgact tcaaaacata caacaaatct attcataatt 120
tgctatacta ccaacattaa attgcagtta cggttgagcc taagttgaat agaaagcctg 180
taacagaccc aaggaacgcc tttcctggac tatacatgca aatcacctct caacatacag 240
atctcacttt aatttgtaag ttacttgggc tttggaagtc actacacca agcaagggcc 300
tttggaagg ggaaaaaggt gatgttttca gtttatatat atatatattt atttaaaatg 360
gcacagcaga agggaatgca atctagaaga gcaagccctt aagcagtagc ttatgataaa 420
cttttaggaat gtatcatttc tatcactaat atcacaggcg aaatgtatta tgccaccttc 480
tagtaatggc tgaggcaata caatgcaaag gcacacaaat tagttcactt caacaactag 540
acagaccaac atgtaactaa ttgttttctt tt

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<210> 34

<211> 551

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800576

<400> 34

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gtcacatcc atgccgggtta acttaaagct agagggtataa agtgacatct acagtgtatt 120
tgcaaggcca gagctacagt ggcaagctgc atgtggctgc gcgccaaagc tcagtgggtgc 180
tcagcgaggc tcccggggcg tcgctgctct aagcatgcac ttggaaaccc agctcatcag 240
tcccttttaa acagagacgg gatgatgtag acccaccacc aagactcgcg gaaggggcta 300
cttaccacaa cctgcattaa tttataaagt gagatcctaa gtcaaacatt cacagaaagg 360
catattcact aggagctggc caggcagact gtctttctta gtgacctgtc tgctggctgt 420
tattatagtt agcatttaaa aaaagggggg gactgaattt taaaatagag cacttggcgg 480
ggagagttaa tgtgtgcatg tgcggaagcc gctccctgca ctctgctgta ttcaacagtc 540
aacactgcac a 551
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<210> 35

<211> 610

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800739

<400> 35

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ttgtagtatg aaagggccat cataaatatac aaactgttat ctccggtttc tactcacagt 180
tgacttaaca attctccgtc ccgatgaaag gaaaacagtg tatgaagaat cccaagtag 240
attccaaccg aagccacctg gtatttttgg agctgggtgct caatgcctca gcttatgcag 300
cacactcagg gtatggcaga ggcagttaag aaaatgagtc aaatttagca tctcagtact 360
acagtgcgct ttgcagacct tcggactatt tttcctagcc aaagtacagg ggaattcaga 420
caagagccac cgctgcagac cactatccca ttagtgcaaa ctctggttca gatactgaag 480
aaacatgttg gccaatgag gcaggttctc attgttggga tgcattttag tgtaggaaat 540
aaactggcga cggaggcgac tcaattctgc caaggtcaag ggacgggtaa atcggagggtg 600
ctccgtggtg 610
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<210> 36

<211> 359

<212> DNA .

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800797

<400> 36

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acagccagtc tttcagacat ggatggaagg ttggcggtca ttgttggtga ggttgggtga 120
aggctgtgcc ttcagcttct ggttaaaactg cagtgaagta gcccagggtt agttgctgag 180
aatcatgttg caagcagaac catcgacat gctgaaactg gccacgagg ttgtgtggag 240
gctcctcctt aatacgatct gtggaaatga gcccggtggc ttcggaaga acgctgccag 300
taacgaaggc tccaggaagg ctccggtctc aggagctctg ccatgctgac cctcgtgcc 359
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<210> 37

<211> 495

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800962

<400> 37

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ttggctggaa gctgctggca ggttggagca gctggagccc tggcagggtg aaactgaggt 180
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ctgagcagcc cagaaggctt tggtagtggc aggcacagtc tctgggctgg gtctgcatta 420
aatacagggg tttcctcagt gctcgtctcg aagctctgaa ggcaagaact tgtactgctg 480
ctgccggatc tgggc 495
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<210> 38

<211> 560

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA801076

<400> 38

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aactaacaac tgtcctacta ggtgagagag aaagattatg tgagaaaatc agaataccat 180
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tccctgcgtc atggactctt gctgcccccg ttccatgtgc tcgcaattcc agctactgga 420
agccaccagg aatgctttct aattatcatt tgcaactaga actgtaatca gaaagaaaat 480
ttgtattttt gtataactcg attgtgtgcc attttatata acaggctctg ttttacaaat 540
aaattttggt ttactaactt 560
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<210> 39

<211> 437

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA801255

<400> 39

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tatatatagc ttctgtgagt ctggcttctg cataaacttt gtaatgtttg ccatgaggtt 120
tagtggaana tggtcttttg tctcaaaact ggatattgct acctgaagta ataaacaccc 180
caagccagaa acttggtcag tgctggcaac attttttgag tgtttgtgat ccaggaatcc 240
tagagtgacc gcctgccatt aagatttttc caaggacaga gtcaccccaa actcttggtt 300
aattaccaga taaccagatt ctttatcaga attatggaat aaaatatgta ctgtaacaaa 360
taatttttag aagaaaactg tttaagataa tgctcttaac attttttttt gcaaacattg 420
aagattacat tgaagaa 437
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<210> 40

<211> 485

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA801346

<400> 40

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aggagaagag aaagtggtag gatgccttcc tgacctcacc cggccctcct cgcgggacgc 240
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tcagacgtcg gggcctgggt gccagaggga cccagaaaac tgagggtccc gtctcagctg 360
ttaaacaggc tgtcctggag gccctgcctg gatctggggg tgctggagca gcatttcccc 420
cagggccacc cacccttttt tgtaaactct gattgtaaact ccaatacagt tgtctttttc 480
actca 485
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<210> 41

<211> 416

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817685

<400> 41

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agggctgaga tggctgggat caccagttg gtccaccaac tagaaagaca catgagcaaa 300
gagatgtttg agtgaacctc agtgcagaga cgcaccccc tctgatggaa aactaccaca 360
gcatattttc cttacctcta gaacctcttt ggctaaaagg atggctcagt tttgga 416
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<210> 42

<211> 454

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817688

<220>

<221> misc_feature

<222> (1)..(454)

<223> n = a or c or g or t

<400> 42

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gtgggggaaa aaaaatcccg cagagtcaag aaaagtagac actttctctt cctttcttgt 120
ccagggtaac agtggttaac agtgtaaata gataaaaatc caagttggtt ttttgagaa 180
cgttgctctg agactgccaa tcttgacgtt tctagagcca aggactcaga attccttctt 240
ctagatgacc gtaccacagt ggctctgcgc atccaagaca actcgtactt ctttctgcga 300
gtaaccactc cgtggctcgt ggagagcgga ctgaaatcca cttcccagcg ctggaaagtc 360
agtggcttca ctttgataa ctccatctga agccttcttg gcatgtancg ctctggggag 420
cactgcggag gcgctggggt aggtgcggag cgctc 454
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<210> 43

<211> 429

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817695

<400> 43

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tttttttttt ttttattagt atggatttta tttcttaagt aattttttaca ttgtttaata 60
aatgaacaaa cattaaccct aaaattgtag ctgagttctc attgctatgg aagagtcaac 120
actgagttta caggaatgct tataaatttc attcaaatac agaaaatatt tcagcatcag 180
gataaatgac tatgcatatt caggtgattt attaatctag tacaacttcc attcttccac 240
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cactgaaaaa tcttcaactg gattatgccg atctttacat tatgcattac ccagtgccaa 360
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<210> 44

<211> 522

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817726

<400> 44

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gagttcactc aatacattaa caataagcaa atcatacaga tactgagggg aaggatgtcc 120
ccttgactac atacacatat atgtatctat tcttaagaac agcaatcaag aggttaacaa 180
taatggaagg aagaagtaga caggtaagtc actgccaaat aacacaagtt cataatgatc 240
ggttactcaa gtaacctggc aaatgcctgc tcagaattta catttacttt cctcattgac 300
tttcttgctt ttgtgtttca gtgaatttgg actaggtcca aaaactagac cttcaaaact 360
ccatctctca cattcagtgc tgaagatggg catgaagggt gagtatactt gagaacatgc 420
atggtaacga atgtcaaaga gttttctcac agtgaccttt cccctgtctg cttcttccca 480
cacctttaga aatattttca tgcttctctt ggagacatta ga 522
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<210> 45

<211> 557

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817761

<400> 45

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tcattgtcca ccaaagggca tagaagcaga gcggccatgt gtggtgctgc cttttagttc 120
ttacaacaga gattctccag cttccagccc agctctgtcc cctgacctgc tgtgggttcc 180
ttgcacactc acgcctttca taaagaagga ggtacacaca gtagaacggg aggggtcggg 240
agaatgagca catggggtat tctgtgtgca tgggggacag aaaggtctgt ctgctccact 300
gagtgtcagc cactgcgatt ccaaacagaa aagaatgcaa gttgtcaaca agacacactg 360
tcctcaggag gagagatgat ctaagtcaat cgaaaaagaa cgatggttta gtacccca 420
gttccccagc tgaggtgcca aagccataga taggattgta aacatgcggt tggaacaggt 480
tccatagaaa actcagtttc tcacggaaag cttgcacagg tgctttattg gctgtgtgtc 540
tctgaagagc aaggtta                                     557
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<210> 46

<211> 605

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817829

<400> 46

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gctatcctgt cattttttata tacatactga taatggaaac aattcagtgt catgcatttc 120
aaccgtacaa agaacataat catggaagca cggttacagg ggaagcagaa gagtctgagt 180
agtgatttca ttctcactga ggagcggcac cctgaagaat cgagtccatt agtaacactc 240
accgcactga gagcagaggg gcgtagcgga ttgtacttga ttattttttac tgagccattt 300
catcttcctc acagtggagaa gaaatacaat ataaccttaa taagaaaacg acctcattac 360
aatctcggta aagggtctacg gcttatggag tggagcagag ttcagggtgtg cttgcggggt 420
ccggcctcac cgtaccatcc cacctgatgt gctggacaga ggccgctctc tcatgcgccc 480
gcactaactc catgggagct gcaatagaat gaaccatttc tgtggcgctc ccagggtctca 540
ctgaggaaga aaagacttca tacacataaa tataacaatt gatctgtcta taaattatag 600
tggtat                                           605
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<210> 47

<211> 612

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817841

<220>

<221> misc_feature

<222> (1)..(612)

<223> n = a or c or g or t

<400> 47

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ttaattttct tcccaaagaa ttgggaaacg aaaacatata atacaacagt aattttaagta 120
agcacatgac caaaacttcc tggatcacga accaacagga gatgtgaata gcctgtagat 180
atcaattcca acagctttac aaaatgtcat tcatctaagg catttctgtg gttctcacgg 240
ccacatgttc acatacataa aggcctctat tcatggacag agagatacgt tctttaggag 300
cagtgggtgc aggaggcgaa agcagttaca cgcttagtta ctgagtaatt ttaaagagga 360
aatttggcgt tccaagaaac agttttgtac atccaaaaaa aaaaatcaat gataattttc 420
cacttggatt attttgtgat gcagactaca agaaaatcca tgctggatta tttgctttcc 480
aaaggccact ttcaaagtae agatttcgag tccagaacaa ataccacag cgagaacaaa 540
cagaacggct aagactctaa catttgccct catgtggctt tcctcctcnc tcgattctct 600
gacattttct ga                                           612
```

<210> 48

<211> 622

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817849

<400> 48

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tctgcttaaa aaagtagaga cacaatgatt tacatcttaa aatagtttcc ttgctccagt 120
tctacttaaa gatagcacag gagcagatcc gctctgcttg tcttgctggg ttataggggtg 180
caactcatcc tcctgggttc tggctgctgg gtacagggct gagagtgggg ttagggttggg 240
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```

aaaaaacatg gctgtgggta gcacgagttg gcttttgttg tgtttctttg cataggtggt 300
aggagccgag agcagctagg gtgaggatcc agaacacagg cttgacagtc cccatcctgt 360
ttgcctgcca ctggcctggg gcatcttgct tatctttgag gaagtcctag gaaatagttt 420
ctgtaatgca tcctgatttg aaatcagtga aagtgttttg gcagtgggaa aataacaatc 480
ccacttcaga gatctcacia acggaaaatt tgccctcgcaa aaactccttt aaacgctaac 540
tgagacaaat gattccgtgg gcaaggagac tgtcagccag agctctgtaa aatgcattct 600
gctagttaac agttctttcc tt 622

```

<210> 49

<211> 493

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817921

<400> 49

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ccatctatac cagtgtcaaa tgaggaggagg aggggaaggc agggcagagc agggagacga 120
ggggaggagg gaggagtccc ctctactggt aataaagctc caggttcatc ccgtcgtgga 180
tctcatagtc tcccagagac acgtggtcct taaaaatcgt gtaccacttt ttaagaacga 240
tcttattcca gcggtgcca gtttgagccg ctatcagttt cttcaggtcg ccgatggtgt 300
catcgggtgt gcacttaacg cggactttct ttcctagacg gtcgttgcaa accacctcaa 360
tcattgtggc tggagccggc tttgcctccc gcaaccctta ggctcccaag tcttggcagc 420
ttcccgcgat ctccggcctc tccgttttagc cttctcacct ccaatgtcct cgaacctagc 480
gacctcgtg ccg 493

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<210> 50

<211> 386

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817925

<400> 50

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ccctcttctg tgaggtagtg acagcccctt ttcagaaacc gtggtcactg ccttgctgca 120
ggcacggcag tcctcagaac gggcactgag acagcacctc atgcgtgtca ggtctttaat 180
tttttccctg ccagagcttt ttctttcttt gcttcgttgt tactgtgttt tttctgttta 240
acaattcaat tggcagaaaa atggctatcg ctgggtggaca ttaggggttg agtgaaaaaa 300
aaatccccct cccccaattc ttgcttgcca ccgtgggaga cgaggtgagg gttcctagag 360
gtttcccaac ccacctcaga gttcc 386

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<210> 51

<211> 565

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818039

<400> 51

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tttttttttt tttttttaca acttgatggt tattcttttg gaatgctagg ttcagcatta 60
caggatgggt gtcaaggcta cccgagtgtg acagacagac ttcacatctg ggtgctgcgg 120
agctccgagt tattaacaa accttgctct tgtacaactg aggtctgatg gttttaagtt 180
gatgcctggg tgcagggcc aacacacact tagggatggt tcttacctgt acatacatat 240

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```

atacaaatat attccacaaa tgtgtgtata catgggcatg tattaattta cgtggggaat 300
ttataaaaatt atatatacat acacatacat gcatatctat atacagctcc ccaccctcac 360
cagtgaagctg ctgaagtagc tcgttagctc cgtgctcgat tattgctgtc tgggtataact 420
acatgattta gtgccaagc cagacacatt ctctgggtg ggatgggtcac tgtcatatag 480
acacgtgtat ccttgtatgc cgtgtatgaa gagcattgct cccatgtgtc aggcattgcc 540
taccacagta aactgccttt accac 565

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<210> 52

<211> 525

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818089

<400> 52

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tttttttttt ttttttgatt gttaaatttgt tcagaattcc ttcaacttta attgtggggg 60
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tggaacagat gagttattta ttagcacagg ttgtcacaag tcgccagctg ttctcattct 180
tccactgtct ccttcttgcc agtctcttgc ccttcaaaga gggggtacct ggcctccaca 240
tcagcccaag tgatgttgcc attggccaga tcacggacca cactgggcag ttcagagacc 300
tctgccctta tctgtctcat ggagtctcgg tccctcagag ttgcagtgtg ggggggtctt 360
ttcactgtat caaagtcaat ggtgatgcc aacgccacgc caatctcatc agttcttgca 420
tatcgccctc caatagacct agaggaatcg tcaactttat gagacacgcc atttcgagtc 480
agagcttccg ataattcctt gacaaatggc ataaactctt ggttt 525

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<210> 53

<211> 482

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818105

<400> 53

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tcacaacagg acacagatac aacactacag taaaatgggg tgagggtgaga aaggcaggac 120
acaagatgga tcacgacaac taaggagtg acttcttttg tgcccagggc ccttttacag 180
ctgacccatg gctccaagta atacggactg aggaagtcca gcaagtggca gcatcaatga 240
gtggacctgg agcttattca gcataaatat tcaaggatgt ctagactcaa ggggtggagag 300
ggtcagcact gtaacaccag gagcagagtt cctacggtag atctcctcct cctaactacta 360
agaaggcagg tccctcatac cttgggtctt caagacatag cagcaccaca cccactgcc 420
ccaagcagct tcactctgct acaagcctct cctgcgaat gttttcagag tgattgaatc 480
ca 482

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<210> 54

<211> 535

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818107

<400> 54

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cgagggacag gaagcagcaa cgggtggggct gaatacaggt gtctagacat gtcaggccga 120
gggtgtcttt gtagggtaga agccctacaa aggggttgtc agagctgggc tgggacatag 180

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```

cagatactgg gctggagttg agctgagtg c tgttggttaa tgaagggtgaa tatgagatat 240
ggtgaatgca aagtgagaac caggaagtgt ggagttagcc caggctagta gcctaaccac 300
tcttagcagt cgactgactg agagagaagg actgggtgtga ctgattttta aacaaagcaa 360
aaggagctgg gaatgacggg aggccttgta caccagacct ataatcccag atacctggaa 420
gctgagacaa gagagtcgca agttcaaggc cagcttggac acgtgtcgag actctctctc 480
aaggtaaaaa taaaagagga ttgcaattta cttcagagtt tgactggcac cctgg 535

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<210> 55

<211> 567

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818123

<400> 55

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ggactccagt cagaccagaa ggctgccaat caaacttggt attggcagag acagcagcct 180
ctttgatctt cagaggtttg taaaagcttt ccaccctaatt ttctgagtat cataaaaagt 240
aaaaagcact tttattctgt ctttttcccc ttttaattttt ctttttttaa ccagcaaaag 300
gactacttat ttttatgact tcattttttat gagcacaaca gttctgtcaa ttacttagag 360
aaggaagccc tcagagatgt gtcagtgggt ctgaggtcca ccgaggccca caccaacagg 420
tgtggcattc catgctatca cttctacaaa gaaccatgaa gaatgcttgt agaccctatg 480
tacagcatat agtccacaca tgcttgatgt gcgtccatac cagcatccag taacagcaaa 540
gagaatcccc tcttgaaata aaaaaaa 567

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<210> 56

<211> 518

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818139

<400> 56

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tttttttttt tttttttaac tgcaagaata atttaattcc ataaaaggca aagcagaaat 60
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taacaacat ttaaactct ttaggcact tgggtgaaaa gacactggag aatgaccacc 180
tactgactgc tataagcaag tggtagggat gaaggctggt ttctgtctta tcttttacc 240
acgggcatca ctaactga gaaacaacac caggacattg caccacatt gcaagacatt 300
ccagtgtatt ttaaaggagc cgggtggtag tggtagggc ctttaatccc agtacttggg 360
aggaagaggc aagcgatct ctgagagttc aaggccagac tgggtctacag agtgagttcc 420
agaatagcca aaggctcaca gagaaaccg gtgtcaaaac ccaaaaaaat ttggagaaat 480
tttatcagcg agtcaagact gacattgttt tcgtcaca 518

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<210> 57

<211> 363

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818158

<400> 57

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tttttttttt tttttctgat taaaacaata caacattcta agatgtcttt tgtttatatt 60
attgtttatc ttctaatagc ccacagaaga gactgaaaat agttgtgggc taatcttaaa 120

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catgaagtag agaataagca ctaaactact aaaaaaaaaat aaaataaaaat aaaacttttta 180
ccttacttat taaactagga agaattttcc tgaaacgcac ctgttaaatt agtctataat 240
atattaatga atggaggaca tgtatttcct agtaaataatt ttaaacaatga agtatacgct 300
tggggggaaaa aaaactttctc aggatatgaa atttttcaag tctcaatccc ctgaacagac 360
taa 363

```

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<210> 58
<211> 357
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AA818163

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<400> 58
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agtgagtggg aaacctaaat ggtcacagcc tacacatcac agcgtataca gaatgttggg 180
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attttgtgta tgtaagtttc tatactcact tacttttctc cataagagaa gccatacata 300
ctgtcactgg taattgtaaa gaattacagt tccccttatt aaacaattac aatttta 357

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<210> 59
<211> 572
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AA818211

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<400> 59
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atctaccag ctgggggtcct cggtagtcct aatgtggtgc tgaagttcca gaggattctt 180
gggagagtcg ctgggtcttca gttcaggttg gaaggctgaa gacactgggt gctcatgaca 240
gcaaagggca gcagcagtga cagcggcagg gacaacgtaa gtgagcagag aagatgagct 300
caccaacaag acacgaaagc aaacaggcag caaacaaaa caacaacaga agactagtgt 360
tttcccctca gggatccttg ttttgtggcg gtgctggaag tgcttcccac ctcagctaca 420
tccacaggtc aggcagctca aagtctctaa gtgcagaccc tggatcctga cgctctggc 480
ctctgtgagg acctgcactc acacacacac gtagtctctg agtccccgtg tctcaggatg 540
ttcctccatc agagcagaaa cctacacctc tc 572

```

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<210> 60
<211> 464
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AA818258

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<400> 60
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cagacatcgg aatagactat ggaacttgag cctagtgaga tcagaagtca aaatctaaag 180
ccaggatgta tgatcagacc atatgttctt agccttgcca aacaacatgc tgctcttaaa 240
atgaaacaaa tggatgtcac tgtgaagtaa ctgagatctg tctaggtttt ggtgtttatt 300
cagaacactt tctttgacta cattaggaaa taagtgtttt tgctgagcca actctaattt 360

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ctagtttagc tttttaaaaa aggatatatt taagatacc cttaatatga aagttaaatt 420
ctacactata gaaattcccc taaaaggctt aaaatacctt gata 464

<210> 61
<211> 494
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA818264

<400> 61
tttttttttt ttttttttagc agtcacagca ggttttattaa tgacctagga agccagacag 60
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actgcaggaa tagtcgggtc tcccaaagaa gcaggtgcca cagttgtccc acaaagacat 180
ggagaagacc atgttgagtc acaaccctcc ccagaacagt tgactgggac agggtcctga 240
gcacgttaag gatctccaga cacctgacag gctcagtggg cgctcacgg acacctcatg 300
tctgtagctc taggaggtga cggggctctc tggatggcga gctagccagg ctggagctgt 360
gggcttctcg aaggctctcg agcactcgga gcagctgggc cagtgaagtcc tcaggagctc 420
cgccacggcc tgtggatgag gtgcctgctt cttctgttgc ccggctcaag agctggtgct 480
tttccgaag agca 494

<210> 62
<211> 429
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA818271

<400> 62
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tgactattaa ggaaaacatt aaatattaaa taacagaaat aaaatgtgta aacactaatc 180
taactgggga ttttgctatt gcaactgtcc aatgaagtgg tttcaacagt acgaaaaggg 240
tgaagacagg ggtgcttcca gtccacttag gagtcatggg tctcagttca ggggtccttt 300
aataaaatct ggtccaggac aagaggaggg ccactccact ccactggctc tcattggatg 360
tattccactc ggtgaatgct cacgttcaag cttgggtact gagcaaatac ttttaatccg 420
tctccctta 429

<210> 63
<211> 548
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA818287

<400> 63
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aaatggcagg taggaatttt ctgccttgcc cttctttact taagaacaga aaatactaga 180
aagaccgctc cacacctcaa atccactggc tatgcatctc ctcaacgatt gcaggaattt 240
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gaaagatcac agtgggtgctg gacagtcctg ttccatccgg acacacctgc tggagggtcag 360
atgctaacac aaagaggatt tatctctgac tcagatcacc cactgtgtgg gccagcatgt 420
ttgaccaccc cagagcccat cttacacggc ctgggagtgga cttcttggca gattctgtgt 480

actgtgcaac tgaaacatgc gtagatgcta tctattcctt ggagcgcttg cccagagtga 540
aatggaca 548

<210> 64

<211> 554

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818288

<400> 64

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gaaaaatgaa aaacacattt taaaagggtgc ttcatttttc attccattag taaagccttg 180
acaggctctt gaaacgtcag tcaagtccag gaagaactag aaatgcctga gacatttcca 240
tttcagtgat tattgcaa ataaaattcct cattgtgtct tcaaaaaaat ccctgagagg 300
ccagcaagcc cattgtgcag acggagagac tgaggtcaga actccttagt ctctcatgg 360
gagactggag catgtcagt aagttattgc tttaaagttt tagcaagggt tcgcaagcat 420
tcctctgctc tccactgtgt ttctctgggc catggagaag tgaggacggg actgggggtct 480
gctctttgaa gaaccagtg tgctgctggg tggccccaga agcagcagag ctcggtgtgt 540
cctcccaact cact 554

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<210> 65

<211> 551

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818355

<400> 65

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attttaagat catccgaaat taaagacaca ttgtaagcca gtccttggt ctctgggtcc 180
gtagcaaata gcaaactatc aaaaacaaat acagttttaa aatgtttaag gtaacaattg 240
ttcccccaag cctcagaagt tacatattat aaatgtgtgt cacctggcag agagggagtg 300
agaaaggagg gattgggaca tcatgcatgt taaatgtttt aaggaagtgt gcatctactg 360
ggctggggag acggcttagt cagcacaagt aggtataagg gcctgaattt ggcacagtca 420
aaaacggttg gttcgatgga ctgtggttat aaccccagag ctggctcact agctatcaag 480
cctagtctaa gctcctgcaa gccccaggcc agtcaaagat cctgtttcag tggaaagatg 540
gatgacgcct t 551

```

<210> 66

<211> 340

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818412

<400> 66

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tttttttttt tttttttctc tgtgcacaca gctttattgg atatcgctgg agcgtcccca 60
agtggctctg attactgggt tgacaggagg aggtgggtgaa gaagaggaac aattcatttc 120
gggcaatgcc ttcgccaaaga caaatgcgct ttcctgtgga gaagggcatg aaagcttcac 180
tctttttcag tgccccattg gcatccagga agtggttcagg attgaagctg tctgggtggg 240
caaagtactg tgggtcatgg agagctgaac tcaggatggg gtacacttca gtgttcttgg 300

```

gaagcaggta ccctcggaac atggtgtctt cctcgtgccg

340

<210> 67

<211> 564

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818421

<400> 67

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tttttttttt tttttttgaa aaaaatgtat ctttttattt gcacacttag aaaagttgta 60
cacagaaact tattgtttgt aaaacagaac tgtaggatg acatttttat ttttaaataca 120
ttaagactgg ttgagaaata gaacaaaaac atagtaaaat gtttaaaaaa ttaaagaaca 180
ttttccaagt ataaatttta taaatacaaa acaaattcac aaatgacttt gaatgctaaa 240
taaatatcta gttaataaat tcagttggta ctggctacag cacatcagag ctagcgaact 300
ggactcactc atgtgtagt ttgaaacct atgacatgga gtcagacac actctctatg 360
gtgtgttcta gcaggctcac cgtggagaca agacctcctt actactggaa ctctaaggc 420
tcaatgacaa aatagagcat agatgaaaaa tttttccaa gacacctgaa cacatgaatg 480
atctcaaaat atacacaagc ctctgtaacc cagtactgta cccagtacgt ctatgcaact 540
tagtagacac tgaacaaaag ctgt 564
```

<210> 68

<211> 519

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818474

<400> 68

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tttttttttt tttttttaca aaaagaacga tttttattaa aaaccttggg ggccaacatt 60
gaaggcatgg tttgtacat gtttttgaa gggcatataa agtgaatttg agatatatta 120
aatggtttca attaccagca ttgaaacaaa attagtcaa aaaaagccaa atacaattgt 180
gcaggcaatg gttttgggat cttagagggt agcttgtttt tgaccagtgg gacaaatgag 240
cctgggggtg atgtctcttg gttgtggtat catccttttc ttcacaaag gacagactca 300
taccaggatc acaaacacac actggtttca gcaaattgat agtcacagt taaacagggc 360
caagcaacca aaacctaaga acctaaagac gagcaagata aagacaatta gagtctactc 420
atggagtttt ggcagttttc ctaaacttaa gtgttttaga ttcacaatag agaagagctg 480
tttcaagatg tcaaagaatg aagtcaaaaa ataaaattc 519
```

<210> 69

<211> 450

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818490

<400> 69

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acatccccag gcaccaggct cactctccca gggcaggacc aaagactgat gcctagagcg 120
ggtaaggggt gtcgtgggtg tccctgagaa gctcagcca gagggccttt gtctaagaga 180
ctctgagaaa gggatgggtg gcaggaagct tggggaataa gggatattaag aagagaataa 240
attaaagggg gggcttgagg gacaaggggc ctgtgctgtc cttcaaacag ctgggagcag 300
accacgggtg ggaaagaggg tggcgggaag agcttgatac actatcttaa gaaacaccgt 360
ttaccactt ccctcttaac cactgcagtg cacaacgagc cagggcacag ggcaggagcc 420
```

cacatgcccc agtgggctttc aacatggcac

450

<210> 70

<211> 507

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818521

<400> 70

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aggcttttgc tgtgttctag ctaaactcca ataaataaat atgtacagat atgctgagcc 120
tacaaaacag taaagaaaac cttttcttca caaaagatac acatatgata catttggtcc 180
ttacactgac atatgaactc attcctagct tacttaaaac aaaacccttc tggactctgt 240
atgccaatat ctagaggcat gtacctgggc cttttatttt atccagaaag caaagctatg 300
cagagaaaat tcctcagttt ctttattaaa aaatggcctg catatggcct gctacttatt 360
attaagtgc atttaaatgt tctcaagaag ttggaaactc tttagaccag ttgtcctgaa 420
atgactggac aatgccctgt ggatgttgtc aaaatgcagc ttcttatgaa ctggctcact 480
gggggtgggag tgggggtatgg tgggggt 507
```

<210> 71

<211> 557

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818524

<400> 71

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gtaccagggt ttaagctatg aacattgaca gtgtccattc aaataaccac acttttagtt 120
attaaggatg taaccagttt ctaacatgag cctattttct acactgctta tgcacatatg 180
cccattaaca aatggaatgt tgtcggttac atttattgggt ttgtgagtgt tttctggaaa 240
aactgcagtt atttgtgaag accaaagttc catgctagca ttgcatgcat ccaaataatta 300
atgcacagag gcacagtaga gcaacaagag agcatattga aatactagca caccctattc 360
ccctttttat tgcttgttta gcttaaactt taaaaaccaa gtaaaaatct gaattcagcg 420
gtcaactgcc aaagaaagta acagcagggc acatacttag gacttgaatg aaattgttaa 480
gcactagctg gcgcaacagc agacattttt tttttcaggt atatgaccac cttagtatct 540
aaagctcctc aaacagg 557
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<210> 72

<211> 492

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818593

<400> 72

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tttttttttt ttttgttcgc aagcattttt attatattta aatcaaatat cattctgaga 60
aggcatgtaa catacacatt tgtacatagc atctttcaat aaaaaaatgt acaggtgggg 120
cagtgtttta gtgaaaggct taaatttttt ttaattgaac tactagttca attaaaaact 180
caaaaaactc attgtgttaa agtaactata tacatagata aagtgggcat ccaagaggta 240
tagcagcagc cctttaatgt atacaccagg gagtgatatg catcttctctg ccctctgcct 300
ccagcagttc ccttcgaagc tggcctgttc ctctgcaccc ttcagggtct atgattcctt 360
gcgtagctct gtctgttggg ggtttcgtgt agagtcgtat gtgagtcctc ttttctttct 420
```


ttgttagact ctgtggtctt gaagaaatca gttacatata aaaccactaa tattgccaca 480
acagtcctt ga 492

<210> 73
<211> 515
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA818604

<220>
<221> misc_feature
<222> (1) .. (515)
<223> n = a or c or g or t

<400> 73
cggccgccgt gggctcgttg atgatccgca gcacgttcag acccgcgatc acgcccgcgt 60
ccttggtggc ctgccgctgc gagtcgttga agtaggcggg cacggtgatc accgcgttgg 120
tcaccgggtg gccaggtac gcctcggcga tctccttcat cttggtcagc accatggacg 180
agatctcctc cgggtagaac gaccggttct cggccttgta gttcacctgc accttgggct 240
tgtcgccgtc gttcaccacc tggaagggcc agtgcttcat gtccgactgc accaccgggt 300
cgccgaactt gcggccgatc agccgcttcg cgtcgaacac ggtgttctgc gggttcagcg 360
ccacctggtt cttggcgggc tccccgatga gccgctcggg gtctgtgaag gccacgtanc 420
tgggggtcgt gcggttgccc tggtcgttgg cgatgatctc caccttgccg tgctggaaca 480
cgcccacgca cgagtaggtg gtgcccaagt cgatg 515

<210> 74
<211> 470
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA818615

<400> 74
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taccgccaaag ccctggagac accgatacaa tttgatggta aacaaacaga actgcggcag 120
ttagagagaa cacagacca cttcccaggc aggcaactgt ttcccaatcc ccctcatgct 180
acttctgtgc ttctgttcag aaaggtgata ctgtgtccca gccctagcaa ggctgaggca 240
ggaggaccac cagtgtggga ccagtatggg ataggataca taaggaaacc ttggttcttg 300
ttgtttttta agggaagaa aaaggttaagt ttgaaaccga attgtgcaga accgatcaca 360
actcatacta aggatggaga tagtctttta ccaaaaacca acccggtcac cagcactaag 420
atgtgtttct ctggatttga agaaggaatt gagaaaatga tctgcaccaa 470

<210> 75
<211> 530
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA818627

<400> 75
tttttttttt ttttttttagt gcacagatat cttacattta ttgaaatcaa ataccgaaac 60
gttggttaact gatttacaga agcaatcaca gactgcaaaa acatgtgtgt cacacacaca 120
cacacacaca cacacacaca cacacacaca ccccaatcaa ggaaaaactg tgtcctcgaa 180

```

attttccagt ccaaagttct gttggtgctc ctctcgcacc cacggtgctt tcccatggct 240
tccacacaac agctgagact tctgccctct tcattcttga tgagattttt cagcaataac 300
tttacattca tacattgcta gctgacgacc aatgtttccc atcgttatgc ctccagcaaa 360
aaatatacat ggcaaccaag agcggacata gagaaaatct ggagatgtgt attgataaac 420
accattgtag actaacagtt gggtgacaac ggttgctaag aaagcaattc caacaccaag 480
gccaaaacca cttctagatc tgtcaaaagt ccaccatagt cctactgaca 530

```

<210> 76

<211> 584

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818700

<400> 76

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attcatacta aaatacgtgc atgagcaaaa ataaaaaata agcacaggag tacgaaaatt 120
aacatagtaa aattttaata cagtattctg gatacaagta gaatagcact aagtaaagga 180
ctgtagttaa ctcagcagcc tgggagtatg ggttgagatc aaccaagggt tagaatagcc 240
ccttcacatt tcatcagtgc tgaccaaagc caaagcaagc taggatggag actacaacta 300
accttccatg ttaaccagtt attttaaggt gacttaccct cacttaatgg cagttgaggt 360
aagttaaaca gagagccctt acaaagacta agaaccaaat gaaaacttgt ttctagcctt 420
tgtttttaggt caccttaaac taaaatgctt ttacgtactt cttaacattc atgtacacat 480
tcttttcaggc caaagtttca gcttgggaaat cttgccaaact gtatgtccaa cttctgaaca 540
tttgcaatca gacaaattta ctgtataaaa cagtaagatt tact 584

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<210> 77

<211> 557

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818702

<400> 77

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cccacctcta ccctggaagc tgccgccatg atctcatgct ctgggctgct aggataaggg 180
ctacacgtca tcctcagaca caaggcagta gaagtctgtt cgcgcactgt agtttcgaga 240
gccaaagtca gagacatcca tttcactggc atggccctct cctatggaga ccttgctttc 300
gtgtagtggg gttggtggct ccccaaagac aggtccacgg acaccaggt ctccctcagg 360
gtctggatcc agctctgact ccatggccc ggcctgggca gcacgtcctc tcacgattag 420
catgggatct ttgtcatcct gaagtcgggt ttgggggtct ccctccacgg gtctgtattg 480
caccttccgt ggtagtgcc actgtagctc tttccaaaa tcagaggaag gtgtcacgga 540
gccaggcttc caaagca 557

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<210> 78

<211> 537

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818721

<400> 78

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tttttttttt tttttttgga ggggtgggtct cagcatttaa tgacagcttt accaggggtct 60

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gctctccgct gcccaagagg agagcacaag tttctcaggg aaccactgct cacaagcaga 120
tgtagtcctt ggatgttact ttctgtgggt ggcaccactg ccttcaagga agggaggcct 180
ggaagaggct cgcagtctcg gtacccctca gageggggag cctacttccg ctttctgtac 240
ctgctcactc ttgtgggtac catcacagta agggggccgc cgagtggcct tgcaggtaca 300
gagggccact gtgcgtgtct cttcggcctt gaacttgagt ggggaaaggc cagtgcgctg 360
gaagaagtgg gagccatcgc agaagggtg attcttactt cggccacata cacaccacct 420
gtaggttttc ccggcaacca gctccaacct gatgggtgtt ttctgtgcca cactgggctt 480
ggctggatct ttggggaacc atcgggcaaa ccaagaggag atttcccct cgtgccg 537

```

<210> 79

<211> 596

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818741

<400> 79

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tttttttttt tttttttgtt gcctttatatt tatccctatt tgaccatcaa atatgtttac 60
agaagatggg ttacagggtc ttgagcatcc cactggattc tctaccattt caagggtgcaa 120
aagaggctta cagtgtgttt cattaaacaa agcaaagctg cgacaaaaca ggatcacatc 180
aatagtagta tgcatacaga gagtgtagta atccatcaaa cacaattggg catctgtgcc 240
tttctcaaaa aagaacaaga gctctacact gaagaatatg tagtgcacaa gaagcattgt 300
ttgtaggctg tgaaggaaca taaactggca taatgtcact tattaattca agtctcgatg 360
acctatgacc tctctgtgaa taaaaggggg tccaatgtct taggcacctg ctcattgggac 420
tgtatgttta tttccagggt gcacagctcc atacaaagac actaaagatg ggtttgggac 480
atggcagcat ttacataattt gaaaaagttc aggcacattc ggatacaaaa gaaagggggg 540
gaaatgcaaa tagaaatttc tcttaagtct ctgaaacaca gtgcaaaatt gagaca 596

```

<210> 80

<211> 544

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818747

<400> 80

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ggngaagata catcattttt cattgatatg acttcaaagt agaaatggcc tctcaaataa 120
ctgtcatata ttaaaaaacga gaataagaaa gcacacactg cgtataggaa gctgccttct 180
cctggaccat tttcacatta tctgggagac agaactgaaa caaaatacag tattcaccac 240
atgcaacact gaaaccatcg ctgcgtagac actgcaagct ctgcggagga atgacttctg 300
tgaggaagcc cctggtgacg ccgcccagat aatcacccat gagaagataa acagaactcg 360
atggagaggc cttaaaggcct catgccaagt cccacagagg aatgcagcct tttgctctcc 420
aaaccctccc tcaaagccga ccaagcaatg aatcagaggg gtctgccacc tcggctgcac 480
ttccttccca ctgtccccga atagcaagca gcacagtgtg aacacaaggc acaaactctg 540
gttt

```

<210> 81

<211> 488

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818770

<400> 81
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 cagagaggag actgtggggc tggccctctt tgggctggag tctctggctc ccctgggcag 120
 tcggttccca gcctcccagg cttgtcatcc tctgaaggct gagtgggggtg tctgccctgc 180
 accacagctc ttctccaaag ccgaggaaaa cccatgggga atacagggtg agaggacctg 240
 aggatcatgg gatgggagcc cacattgaac ctcggtgagg tagtctgtcg cctgaggccc 300
 acacgggtcc tgctgaggta aaatttgtaa gtttatttca gggacgtggg tcaggactcc 360
 tcggtgccag agtcattctc ttcattccca aagcagctgt cggcctctc cacttcaccg 420
 tcctcatagt agtcgtcgta gaagaggtct gagccctcgt cgggcgcgcg cgccttggcc 480
 tcgtgccg 488

<210> 82
 <211> 561
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA818774

<400> 82
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 tatcaagcag aggcttgccc acctgactct tgtggaaccc ggaggagttt tagttttattg 120
 tacatgcatt aaaaagtctt tcagctgctg cagaggaaac gtcagaagcg aggccctgagg 180
 ccggagctcc gagtctgcac gggacacagg cgtacacagg tagctcacag tatgcacagg 240
 ttaatatgag acacagtgac accggtgggt tggcttgggt ggcagctgcc agtacgatga 300
 caatgtggct cttctgaaat ggaggcagcc ctgtcctgcg ccatcagccg ggccttgctt 360
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 agacccttaa cctggctcct cggcaggcgg gacaggggtc attatttttc tcctggccag 480
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 tacaaggccc ccctcgtgcc g 561

<210> 83
 <211> 606
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA818781

<400> 83
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 aagcagtgat acaccaaata caggcattat aaggattttt tttttaagta agtatctgtt 180
 tagaatacaa tgttacaaaa gcaagaattg gattttaata aaacaattta ataaaacaag 240
 gcacaatggt taaggcaaaa tttatgaaga aagtatataa agttaatata agatcatatt 300
 ttttaatatc ctttggggaa agaggcacia gaattagaaa tagcttaaac attttttttag 360
 aatattagcc ataagaaagt aaaataaatt tgatacaata ggactctatt ttttccagaa 420
 aacaaactcc actgttgaat catatttctg agttccattt taatcatata tatatttata 480
 cagatatttc taatacacag actttaagta cagaaaatta agatgtcaga gcatatgtaa 540
 tgatttgacc aatataaaaag gttaacattt tttcagcatc ttttggtgtt ttcgaaaccc 600
 ccgact 606

<210> 84
 <211> 563
 <212> DNA
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818796

<400> 84

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gtagatatat aagccacaat ccatgaaagt cttggaggaa aacataggag cagttatttc 120
tgtacttgac tttagtgggt agattcttag ctgtggcatg gatacacatg atcagaacag 180
tattaaataa ggagaacgtc attgaaaaga gcaatctgtg tgcacaaaag aacattatca 240
agaaagcaaa gaagcaatgt gtataaaacg tccctaatag gtaaactctac atagataaag 300
agaagattgg tggttagaca accagaggga ggaagaatgg agagtcactg agtaatgggt 360
acagtgtggt tgaaagggga taaagataag atcgtggcct gattttacc ataaattggt 420
gattctttac acaagaataa tggttagagg aatgagccac aatagcagat attatccaac 480
cattaatgaa acttatgacc acttcttaaa tttttattta tttttttaa atttacttgt 540
ttctgcataa ctttgagtga tgt 563
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<210> 85

<211> 407

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818801

<400> 85

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tttactcagt ctgcccgt gaaaatatac ttaagtttga acagccgttc aattatatca 120
agagtaattg cccattgctg gtttgtggaa ttgatccaat tccttgaaaa ataagcatgt 180
gtgttatcaa agcagaattt cattggacat caagtcgtgc cccagtggat ttctcccaa 240
caacaagagg cgtgaaattt ccagagccag caggagtgc ttgcccttc atttctaagg 300
gctgttcctg cagctccagt gtgacatttg cttaaagatg aagccagccc cattctaaat 360
aaaggtatct ggacagccct tcagcgatga atgttttctt cgtgccg 407
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<210> 86

<211> 582

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818907

<220>

<221> misc_feature

<222> (1)..(582)

<223> n = a or c or g or t

<400> 86

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aagctatttc acttttccaa aatgctgttt ctctttgtag accaatctgg ccacaaaagg 120
ctacctggct aagtattagc cagaaacttc taaatcccag tgtgatcttc ttgtggcatt 180
tttccaacaa ataatgcaga ccaaatcaca agatggccac ctactgggtc acatgggtcct 240
taggttaatg agcagaggct gacaggctgt ctctcactc ttccaagaac cgcccccaag 300
tgcacacagg cctgcttcg tctctcatc ggcccatctt ctggtctcct tcctcaccac 360
aatcttcacc tgaacagcag tcaaaaggcg cggtcggtag gccgcggaat tatcactgcg 420
catgcgacca ttaggggtccg tgcttctact gccgaaatgg agaatcccgg ttcttagca 480
gcaggctccg tatcccgcgg cactgagga accatccggg gatgcagacc gagtacggtg 540
ggctggagaa ctggggagaat ggggggcggn gggcaagact gg 582
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<210> 87
 <211> 612
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA818910

<400> 87
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 gcctacaagg acatattcag caccaaataa aagattacaa cagccataga atataatcta 180
 taaagcaaac atttaattatt gcactttggt tcgcaaacat tttggatttt acttttccta 240
 aatgaaaaat taggaattca agatagcttg aatactagag cgcaactgtg accctcagat 300
 gttatgtcag gaattgacca atatttagaa tagtgtaatg cctcaaaaga gttaaagaaat 360
 acttaatggg aaaaataaaa ctttacttca ccaactctta aaataatttt gtcaccaatg 420
 ccaattatca gaatttgggt cattcttgct taataaagta tttttagtaa catggtagtg 480
 agcgccccga ggccatgcac accaacaatt gttccctagt cagacataac acagagtcag 540
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<210> 88
 <211> 412
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA818921

<400> 88
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 tttaccagct tctcaaattt gcctcctgcc ttcagagact aaggtactac atatacagat 180
 tttcaatttg tttttactct ttacacagaa aactgacact atttacacag actgtaaata 240
 gtatcttagg gagccaaatc agagtaaccg tacttgtagg aaatgaactt catacaatat 300
 aaaagtctta agaattctat agtttatata attatattat ggcaagtctg tgacaatata 360
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<210> 89
 <211> 598
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA818947

<400> 89
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 catcgtggac tcagtgtctg aatatcagct tccaactacg aagtcggcaa ctacacggcc 180
 ttaccacacc agagcacagt ttaatcttcc atacagacat tgtacatggc atttggcata 240
 agacttgctc agaataacat tgcaacggag tggaggcgag aagattgtta tgcaaacaca 300
 gtgatgaggc ctctactga aagctcacac tccaaggata gaaacttttc cgatagcagg 360
 ttttcagggt gcagaagcaa tgtgtcgtgt cggaactaag ggtgttctgc acacgctaca 420
 aaacagttgc atgggtgcct gaactctagt tggcaataat tatccacatg ccagaaagtt 480
 cctcacacaa gcaacagagt gccacaaaag ttgggggtctg agaaaacatg gcctgtccag 540
 gattccctga tagacactca tttttcaacc acagaatgct gtgctgacag cagccagg 598

<210> 90
<211> 491
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AA818951

<400> 90
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gtgcacgagg agagaggcca aagctgttgg gaaagcaagt cagggacagg gccaaaagtc 180
atctacatgg gaaccctggg cccccagcct ctgttcttgc ggtctcctga ttccaggcca 240
gggctgggaa ttctctggaa aactttctac aggagcaaag aacacagaga taatgctgcc 300
cttctgtgat aaagtcagag ggtttccaat cctgcattcc tccttcaacc ctggctcaag 360
tagggccatg aaaaatagct gggctctatt gcatgtttca gaggcattaa tttttcctgg 420
tgtcccagcc caccagcgcc acactatggc ccagagtggg cactacaagc gttgctggcc 480
taatggatag g 491

<210> 91
<211> 498
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AA818996

<400> 91
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tgggtcttct ttgagtgtga ctgttcgggtt gaagacaacc tgctcctgat ggctatccgg 180
atccacagag aagtacccaa ggcgtcaaaa ctggaacttg tcaaagggct ttgccaaagc 240
cacagagcag tccaccaacg ctcttttaat cacttgtagt gatgccgggt tcaagtcact 300
taggaatcca ccaggcactt cgacagggtc ttcagggttc ttgtgctgga atagtcgctc 360
atagaggcga atctcacaca ccagaggctg tgacaccag tgaataaagg ccttgggctt 420
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cctgacaaca tgctgcag 498

<210> 92
<211> 188
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AA819021

<400> 92
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ccacttttga gtaagacaac tgtagacagt tagtaactgc cagcatttag gacgccagtt 120
ggtggcacgt gtcaagttcc acagagtcct gccttgccgg gtgtctgaat gtacagctcg 180
gggtcact 188

<210> 93
<211> 318
<212> DNA
<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA819041

<400> 93

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tacaatttcc ttttactgaa aaaagtataa aaataatctt tatataggaa ttcattcggt 120
actgtaaatc tttctaaatc tctgcaatgg ctctaaatga gggtaagtga ataagtggaa 180
gtgaaggaga atggaggggca ggaggtggag ccactccagg taccaacca cccagactcc 240
tagctagaca caccgattcc ctattaatcc actccatggc taccagaga tcccaggact 300
cagggcatag ctgagaga 318
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<210> 94

<211> 583

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819055

<400> 94

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tttatttatt tatttattta ttttttattt ttgggtgtgag tatectagac aatcaaactg 120
aactattcag aaaagaagat aaaagatagc acttcctttt gccttgctta taggtatgct 180
agttggtttg ggctgttggg tgattttctt ctttgaatcc ttatatgaca actgctggta 240
tgatgaatgc tggtccttag gtaggagact ttcagaacag ttccagctca ggggtgcatca 300
ggtcctgtga tgaagtacat tgtgccttct gcaatatgtg tttatcttcc accaatgcaa 360
tgcaagtaag tagtctctta ggttctataa gacaaccctg accaacaact tacaagagta 420
tttctcttgt ccagttattac tgtatttatt aggtgatcgt tgggtgtttgg aggggacatt 480
atcaaccttt caaaacacat gatcatttat gaagtctact aagagttgta acttattttg 540
agcaggtggg ataattgatg tgaccatcaa tgcactgtgt acg 583
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<210> 95

<211> 281

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819111

<400> 95

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tttttttttt ttttttttagc attagcaatt tgttttattt tttccttttc tgttgcatag 60
gaaatgcagt acttgcttcc agtaattgta ttgtgatgtg agaaggtggg agcactaacg 120
gttgaataga agagttaaac taatccacac cagctcaaaa accctgtgga gacttagttg 180
ataagaatgg acgcccacag tgattctcaa ccaattacaa gttttcacag aacacagtaa 240
acgaaaaggg taactatgag agtcagtaca aatatgctag a 281
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<210> 96

<211> 555

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819140

<400> 96

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ctcagcttca gtgctggcat tccctccttc ctgtctcagg aaccagtcac tccaacttcc 120
aactcaaaag acaccagaga cagctttttt tttttttttt ttttttttgg tttttttttt 180
tgtttgtttg ttttgctttg tttttaatag gcatgcaaag attaaagtag tgaaataaaa 240
aataaatgac cctagattgg gcaaagaaaa ccattctttat gaagaagaaa tttaaatgct 300
ggatcaaaaa atttaaaaga cctggcctta tgggtgtgtg tttatcggta atttaaaacc 360
aggcgaagtt ggtagtaggc aaatttttaa aaagtgatag agtagcgatg gtattatttg 420
aggtaaacad tatgtattca ctttctgaaa tctacagtga tcttaacttg tgctttcaat 480
caaatgtggt aaggtgggca catgcctcca taccacata catagcatgg acccatcact 540
tgtcagtaac tcagc                                     555

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<210> 97

<211> 444

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819172

<400> 97

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cgatgaaact gctactgaat ttagagaggt gatgtccgcc tataagagca ttaaagagtg 180
attctgctct gctcacacgt cagtgtctga aactgtgtct caggttagcc tcagcagtc 240
tgacaatttg aaaaacaaca gcaatacaac aggccaccag atttgctttc ttcctaagaa 300
actcaattat aaacacttga agtaataggt gagaaggcag atcaagcatc accaggttta 360
agagcaagaa aggaaaaggg cagaagttgc cctcaaatca ggtagacatt aaatgccaga 420
aagaaaataa ctcacaaaac tatt                                     444

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<210> 98

<211> 351

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819199

<400> 98

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acccaattcc caggtaaaaa aggaggtcaa ggcaaaatga tgaaaaaagt aggtaggccc 120
cgaaattggg ggttcaaggc caggtcttgg ggcccttttt cggccatcta aaaaaaacat 180
ccacctaagt ttaactgggc ttgaaccggg acaaaaactt cacttcccaa cttaaaggcca 240
cccaagggaa aaccttgtac caagagccca ggtaaaatga cttggctgaa agccaccctt 300
gaggaggttt gtgaccaatg ggcaattgga acccaatcaa gggaccattt g                                     351

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<210> 99

<211> 621

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819306

<400> 99

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aacctgtacc aaactccaga taaaatgggt tgatctgatg gatttggccg cacatttcct 120
gtatgtagaa catactggat tataaatcaa caacacaggt cccacttggg aaaacgtaga 180
aataaaaaaa agaaaagaaa aaattaagtt aaagtattag cacatatata gtgtcagaag 240

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gggtctccgt caatcaccat tttgaattaa ccgttttcct ttctgaatgg cttgttttgt 300
tccacgaaag ttggactttc agaagttgct tctaatacaca tcataagaac acagtactcc 360
gtgacatgcc tatcaattca cgtcaccttc tgcagattcc tttctgctga acagtgccca 420
ggaggctgag gcttattctg ttttatgtgc ttctcacaca ccgagaaatc aatcacagga 480
atacatttta catcctggat actacagtga aactcggcct aaatatcacc tactgctaac 540
acatgacaga atgttttagct attcaaatgc ttcagtaaag tgtatcttac caagagaaat 600
gtgttttgaa tcaaactttt a 621

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<210> 100

<211> 336

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819333

<400> 100

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ctttcctcac agtagtcaga cgccctcact ttgtatgaag acagccactg gcaggcctag 120
aaacacatct ggacctgaag caggcacctg aggtcgtacg caccacagga aaaggctgtg 180
ctcaataggg ctgcaaaatg attttggtct tggggactga aggaggacac actgatacag 240
aatcaggggt atgtgactct gagcgacctg ctgtcacctg gaccaagcat gtcaaattggc 300
gttttagggga gtttggtcgg tgagtcaaaa gacttc 336

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<210> 101

<211> 402

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819383

<400> 101

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tttttttttt tttttttcaa gatttcaaag gacatttatt atttctgaaa ggtctgaggg 60
ggactttaca agactcggaa gccagtaact acaaaggatg ataaataaaa taaaagcca 120
gtatgttggt gcaaatttcc agaaaacaca ctgaaaatct ttacagttca gaactgcttc 180
actttataca taattacaaa ttactataca gcgcttgagg tgaaccgcac tttttactta 240
ataggcttag tacagaaatg ttcatacagc atttggagac aacaagaaca gaggtatagg 300
tgtatcctgc ccaccttctg tacagcctag gcctcagggg caaacctgag acgaaccgcg 360
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<210> 102

<211> 529

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819530

<400> 102

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acgtggaatg gcctgggtgag acgaacagtt tcaatacctg gttacagagg cacaagtca 180
tcctgatgac accggtcact gataaatccc caggacact gggatcggag aagaccgggg 240
tgccctgggt ccagcgtgct ggagatttcc ttcaaagtcc tgattttggc aaaagaactt 300
ggcaagctag caagcgaact gttcggccgt agagcgtgac gagggagggg ccttccacgc 360
ttgggtgggt gagtaggcgc ccaacgcagg gaacaatgct ctctctcat ctgtctgcac 420

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gcctaccctt cccactacac ttctaggctg cagagagcta gcccggggtc tgtagaggca 480
 ccttcccca gcggggtccga cctaactaac ctcaccaaac tcctcccca 529

<210> 103
 <211> 485
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA819672

<220>
 <221> misc_feature
 <222> (1)..(485)
 <223> n = a or c or g or t

<400> 103
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 aagcacaaat caaaccaaca gaaagatagt ttttttttaa aaattatctc cttaggcctc 180
 tgtctttaac ttcccttctg tcctatttct atgagagaga ccgtaacgca caggctgagg 240
 agacacactg ccaacaaggc taatgtgcac cagaccgaag agggacagct cggctttggc 300
 cagccctctt cctgcaggat accaatccta tgtttgcgtc aatcctgacc tgctcagatg 360
 aagcggcact caggcactag tcagccgttg accatacaag aacagagaa actggagtag 420
 acagagcttt ctccaggaat gctgacaggc gtcnctcct tttgagaagt cctttgcttt 480
 cctga 485

<210> 104
 <211> 597
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA819709

<220>
 <221> misc_feature
 <222> (1)..(597)
 <223> n = a or c or g or t

<400> 104
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 atactgagta gtgaggtcac agtcacgaag acatgggttt acattatgga ttcaatagac 180
 tcaagttctg aatgcagtat taagtgacta caactgaaat gctaagtgcc acgtttgaaa 240
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 actcgggtgca gttgcgttca gtcgagtcag tgcagtcagt accgttcagt tctggagttc 420
 agagcagact ttccaagcca agagaggcct gtttcaatca gtcagtttgg agacgggttt 480
 gaaccagaag agctgagttg aaccagccag ccagagttta gcaagaacta cacagggtga 540
 gcttantcat caatgagcct ccgaggcaac aattacatcg ggtgcataaa gttactt 597

<210> 105
 <211> 478
 <212> DNA
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819744

<400> 105

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cacattgcat gtgtatcaca acgcaactgc acagtttgga tatttggccg catcatgtca 120
cttacacca catcagctct gaaaggggtga acgcatctga gccagaagcc cagtctctcc 180
aggccatgca atctgttcac tgatgggaca gtccctcaaa acagccacac aaagtagaca 240
gatacagtct ccccgatgt tcccgatccc cctgaaaaca gagtgaagtg caatgaaaac 300
tggttaattaa aaagccactt gggactggca gtaacattta atgattgaga aaatgcttaa 360
aataattttta tgtatcagag acaaactgct tgtcactctt tcattgatct taggaatttc 420
ccagacacaa aaatctccat tatccagctc cattaaaatg agaagaaaaa atgtgcta 478
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<210> 106

<211> 463

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819767

<400> 106

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aatacatgga gaactacact ctgcctccct agacgcaaat ctggaaccca gtcctctaac 180
ccaattcaaa cctttgtcac cagacacaga caggttgagg cagttgctta aaccgttacg 240
ttacacgtag ctctttatga ctgtactgtg caatatataaa gctgaaaata ctgttgctga 300
tttcatatag aagtctttta tataaaaaaa ggcgtataat acatccacct agataaacca 360
actgaaaata tttcttgtaa gtttaaatgg tttgagagtt ccactcttct attgttaatc 420
gggaaattat cagcctgggg gtgccaagct gctgctgac aaa 463
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<210> 107

<211> 615

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819812

<400> 107

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aacgtattta aaaccattat cagttaaaat aaatgaagca taaaccacaa tttagcttgt 120
tcttagtgta tacatactca catcaaaata taaagaacac atgaacgtat accagagtca 180
gaggcgtagc ctctgctaca ccttgccatc gatcttggtg agacagatac actccattgg 240
aaaaacccat caataatgat tttaaccaa ctaacttcct gtgatctgta gtaaccatta 300
tgatgtctgt atgaggtagt aactaaatta ttttgcccat gtattaatac tctaaataaa 360
aagaaatatg gaagtcataa taaaataagg ccaacagaag taaaagtcca tgaaaaacgc 420
gaccatgtca ctgtggaatg tgacggctct tcagtgtgac tgaaatgtct agtgtggagt 480
cctcagcagt gccagtctct cctgtgcaca ctgtcgccct ggcgacagct gcagtgttct 540
accacggtac cgccattctg tgatttacgt tttgcaaagg tgtgtcctaa gcacagacaa 600
gctatcgcat acgat 615
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<210> 108

<211> 593

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819816

<400> 108

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gaaaacagcc tactggctta gactacacca tctctgtggt tcatgattta taacaattca 120
tctcgttaca gtacactctg aaatatattac agtatgatag acttaaagca gagaggaaat 180
cacagcaaag gtaagccttc tagatccact tgtgggtcat taagagtata tgcacaacca 240
cacgggagag acaaccagcc tctcccttca tatatatccc tttttatttt cttattttac 300
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ccactgtgga gccttttagt gtgaggtcct cggatctcag tgatgtcttc aacatacacc 480
atcatttttag tggaaaaaca attgatttgg tgaaatgaga ttcatttcca gacagggttag 540
taactgcatt cactgaattt cacactcttc tttgtgaact gtgaagaaaa tga 593
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<210> 109

<211> 254

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819840

<400> 109

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aaagtacttt gaaaggtgat ggataaagag actcgggggt gctcaggaca ttgagaataa 180
gtgacggcca tgtactcagc cctaaggaag atgttcaagc tacctgccct ctctaagcat 240
cagagaacaa ttca 254
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<210> 110

<211> 413

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819853

<400> 110

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cagacatcat gattcacaca ttgcaccgt cagtagatcc tccaggaatg cagttggctg 180
tcaccccacc atcaccgccc cgaagaaggt ctccctctc ctgtagtcca ccattgcggg 240
atgactgatg ttgacgtata tctctctgcc gctccggagc tgcgccaggg cgccgaacce 300
cacgctcgtg taccacaaag acccgtaacc gatgggatcc acaacagggg tcacgggtctc 360
cgcgccctcc agcagcagct cggggggagcc ccgcccatag gcgccccccg cgc 413
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<210> 111

<211> 447

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819854

<400> 111

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cattgtagat ctttaaaggt agaacaaaac aaaaatccaa agtaaaaatg tataaataca 120
atatatatat tcttacaaaa atgggagatt tacaaaatat acatactgca ctgtctctat 180
tttacaaatt tcacatgcac ttaagagata aaacatataa gatgccaaac ctgtgtagtg 240
gcagctcaaa aaaaaaaaaa aaacctgaca ggtgagatca ctttgaaagt ttttaagaaat 300
acaagatcac ttttaactata agagcagctc cagtcaactg atcgtgacat atagaaagta 360
atttgtactc ctgacagtac ccccttggtt ggcattttaa aactgctctg agaaactgaa 420
gagctttgca aaatcggagg acagtca 447

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<210> 112

<211> 520

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA819879

<400> 112

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tctttaatag ttcctgaaag ccattccatg aagtggatcg ctgacaggga agtgcattgtg 120
gtgcccaggg gaaggtgtcc aacctgggtg atagtcagca ctcagtaggg cctacaagag 180
tggtgtgaat ttctatttct aatgcaggag attaaaaaca caagtgtgag cagttttaaag 240
atagaagaat cacattatga aaaaaacaac cacaaaaata gagaattcag acccttccca 300
ggtaatttaa aatatctgtt tctctcaggt tatacataat gaccatagac aagatgggtca 360
aacagtgtaa acgctgggat aagagtatca gatgggtcaat gggccgaaat cagtgggaatt 420
tagaaaacac gttaactcag acagacagac agacagacat acacacagac agacagaaaag 480
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<210> 113

<211> 586

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA848378

<400> 113

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gactttggga tgtttcctgt ggatgatgtg ggtatgtgtg tacatatata tacatacttt 180
tttaaataata ggctaacaag agtcatgtct ttcactttta agttcaggga gcagtttggt 240
ctaaccacac agacattctc agtgtggtat ttcattggagc tttagagaca aactgggtatc 300
tcattatgta atgaaatata aacataccat catgttattt taatgtcttc aaatacatga 360
tctgaggggg gtgtgtcaca cacttgtgta ccaactctta gttgtgcctt gaacatttgc 420
attgactacc tgcaaacaaat tactaggtta actagaattg ctatgcagtt ctatcttgca 480
agtgtacac agtaactgca gtttaaagta tatttgaca ttttacctgc tatgctatat 540
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<210> 114

<211> 564

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA848437

<400> 114

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caaacaatag acatttatat ttcacttctc aggagggttg aagcccaaac tgctatcagg 60

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tttggtttcc cagtgcctct ccttggtctg ttggcagctg ccttcgggt gccatcctct 120
ctcggggtgt gaacaaaccc tcggggcatc ttccgtgtcc ttaaagtcag atagaagtat 180
gagcctgccc taagaacctc attcgacctc aatcacaccc ttaaagtact atctccaaaa 240
acacttactt agcatttggg gcttccacac ctgaacttta gaatccagcc catagcaagg 300
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atgctgtaaa ccgataccca tagtttgtaa atatctgtta aatgactaga tccatttaag 420
tcgagctttg ggcttcagag tagtaagagc ctttggccta cacagaatgc aaagtctgga 480
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acggagaatc tcccagagtc tgag

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<210> 115

<211> 467

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA848563

<400> 115

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cttctccaga gcatccccgc cgccaagcgc aaccttccag aagcagaccg cagcgacatg 180
gccaagaaaa cagcgatcgg catcgacctg ggcaccacct actcgtgcgt gggcgtgttc 240
cagcacggca aggtggagat catcgccaac gaccagggca accgcacgac cccagctac 300
gtggccttca ccgacaccga gcggctcatc ggggacgccg ccaagaacca ggtggcgctg 360
aaccgcgaga acaccgtgtt cgacgcgaag cggctgatcg gccgcaagtt cggcgacccg 420
gtggtgcagt cggacatgaa gcactggccc ttcagggtgg tgaacga

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<210> 116

<211> 497

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA848639

<400> 116

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tcttcccagg ttcgctatcc gtgtcacttt aaacagcatg ctgctttgtt aagttgctgt 180
cagtgttgcc cacctccac cctcagggg ttagaaaagt tgattttacg tagtgccatg 240
gtaaagccac atttccatgc aatagctggg tgattccca attcactgac aaatgacttg 300
tagcttcaga tgcctctgtg catcagcgt cagaaaggga ggggtctaag gagccccctt 360
tttggtatgaa cgagaaaagg ttgcctgaaa cagagtagta gatgccacgt gattgactcc 420
tcagactggc aaagtccaag tgcaatgctt atgagttgtt ctgcttcttt cttatgcaga 480
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<210> 117

<211> 591

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA848758

<400> 117

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aagtcgtata cgtgggggtta ttcccatccc aggggttaca gggtaaaaga gggcatttgt 60

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agtagagtca gctcaggggc actttgtagc agtgatttct cctgaagaaa tgagagagac 120
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tacttgccca aaactccagg agtcctgtcc tgatgaggag taaaaaagac gggacatttt 240
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cgcaaggcct ctcagggtgca tctgtaggca ccatggtgcc tgcccctggg gttcaacgct 360
gataaacacg gcatactcat tttcaggaga cctgagtga  tgccgcta  gattgcttct 420
tacaaaaagt ggcaaggctc agagaaaaag atgtttgctc caaggcacc  aggggtatact 480
gcttttcaga aaaattcaca gagaacagac taaactagag aattagatat cagtggaaga 540
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<210> 118

<211> 580

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA848782

<400> 118

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aaaaggaaaa catatggctt aataagaaag taatggattc accttctagg gataactgca 60
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gaactgggac aactctgtag gtcagggtca gcctcctgct tggggcagca gaaggctctg 180
cagaaatagt tctctttcag ggtcataatg gctcttagaa cacttgttct gttgtgctgt 240
aacaataaaa ccctgtttac tgtctcctgt cctcttgcaa aacagttgtt gtccctcaagg 300
cctccaggag ctggcaggag gccctcagtc ctcttctgag agctgaagat cctctagctc 360
atcctgtggg ccctgagcca gctgccacag ttcactcaga tccaccctg tgtctgtgtc 420
tccatcctct gaactgctgt cactatcttc ctatgttct tccctcctgac ctcttcttt 480
cattcctctg tgagattcca ggagcccagg aactcctctc tcaaagaagt ctgtgctgtc 540
ctctccctca gaactgtcca actcaaacag gtctttta 580

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<210> 119

<211> 595

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA848826

<400> 119

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agatacataa atgtttattc acagaaaatg cctgttaatg gctttaatat tgaacatgg 60
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actaatgtta cctcagccag ggtacatgcc acctgtacat agcacactct acataaagta 180
taaaatggca tatatctgaa aatactctat ttgcttggtt gaattattgt agttataaaa 240
tagtttttaa tctgacttgt gtaggaaaag acacacgcca tgttttttaa agtctgtggg 300
agaataatgt ctataaaatc tattgagaat cccaatctgg tcaaagatgt gtcattgggc 360
agtgggacca acagcaccca ggtcaagccc tgggtgggaa gaatccaagt ttggctggag 420
gaaggagctg ggggaggccc tagttaggtg tccccagaga ccgttagtgg tcagacctga 480
aggaagaaga gaggcaggat ttgaaggttc aaatcccagt ggatctggga ggcgggttagg 540
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<210> 120

<211> 401

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA849222

<400> 120
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gcatctatca caaaagcttc atagactcat ggtttgaagt gaacagatct tgtccagaac 120
accctgctga ttgacccttc tgggcctgct tacggactcc tctcaaaggg acagccagcc 180
cctgttcctg ggaggaggct cctcggacac tggacagagc tgagcttggg acaccagaga 240
gaacagggca cccttctgca ctggcttcca gaaaacggtc ctccccgagg acaccagtg 300
gatgagagcg agtctgagag aagaatgaat tgacctctat ccttccctc accctcgacc 360
caggagggaa agggcatttt ctttttcacc tttgaaaggc g 401

<210> 121
<211> 268
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA849365

<400> 121
aatatacaaa agtgggtccat tcttcagacc gtgaaaatgg caagtcccgg ccagatctag 60
ggtgggggat ggggggtgcc agctgcccc agtcgcctgt cctccgtgcg atgtctttgt 120
ctggatcttg atccctgagg gaggcttgag gttctgaaca tggatggcag atcacaacca 180
cagttctggg ctcatctgga ccaccagtcc ttgggcctca aaagttgaac tcctggacct 240
tcaagtccca acgactttcc ctttggtt 268

<210> 122
<211> 395
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA849426

<400> 122
ggcagtcacc agcacacttc tttattgaat gcaaaggat gaacgtgtaa ttacaagaca 60
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atgctaaagg cctgctgctc atccagttgt cggccctgct tttaacaggg tctgttgtcc 180
atggcaaagc agctgccttt ttgtctgcac tggacagcag cagcagcagc agagtctgca 240
gtgctctctt cccagtcctg gaggtctgtg gtccctgtcc ctgcccacat cctgcctctg 300
cttggctgag cctgaaggag ggcacgacac cagttagccc ggcccaagcc tcctctactg 360
cagcccagac ttcactctgc agtaactact gtacg 395

<210> 123
<211> 535
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA849497

<220>
<221> misc_feature
<222> (1) .. (535)
<223> n = a or c or g or t

<400> 123
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gagtttcgcc tacaagtgcc tctcatgggc agggttctgt tcctgggtgca gactaggaat 120
gttaactccc ttggttctag gaccagcata tcttaatctt tcaacgaagc agatgatatg 180
gaagtcctct ggagactgaa gccacttgcc tagtctcttg agcaaatgaa cagacactgc 240
tatcatttga caaggaattc agactcagaa cagagacaac aaagtatttt aaaaaataat 300
tattcataga cttgctaact gtcacttata aaggctagtg caggcccaana gtaagaactg 360
gtgctttctg agaaagctga aaaaggatta gaggtgccgc ctgcttctag gtacgccctc 420
acttacactc tgcatagcta actctgggta aggacatggg gttcaagtct ctggttctggg 480
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<210> 124

<211> 501

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA849767

<400> 124

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cacaccagac acaagcaagg acccagggc actgagcagg atgggatggg taggacggca 180
agtctctggc agccgatgac aaccgcgcct tctcaggaca ctggattagg aaccaagaaa 240
ccaagcagta tcgttggatc cttccagaat atctaattct cacatttgcc gaggggctag 300
cctcaaacc accgtgtagc tgagattcca ggcattgtct accatgccga gctttaccgt 360
ttgcctctga aaaccgggcc agtaaccttt actttctaga gctgcctgaa ggggaaatgc 420
cacagagagc aacacttacc aaagtactca acagagctgg cacacagagg tatctaatta 480
gtaactcttt tttgtttttg t 501

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<210> 125

<211> 582

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA849796

<400> 125

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gaaacaattc aataaaccat ttatttgcaa ataaataatg tatgtctacc acacctaaat 60
aaacatttaa gaactagtaa tactaggata taacctcagt attacattgt aaatggggaa 120
tcaaagtcca gagttaggat gcccaggctg aggcgctgcc tccgacttaa ctgctaaatc 180
atgtggggag tgatctttga tactttaagt caacttcaat acagaactat cctttgggta 240
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agattcttat tatgaatcaa gagactcatc tacacgggtg gaggatccac ttcattccatg 360
ctctgattta gtctttctga atggactggg ttctaacctg gactaagtac aggcctgaaa 420
cttcaacagc catcaggaac catggagcgg gccatgaagg tgcttcgaag ggccacagac 480
tttttcaacc tgggacagac tgcaacactc gtgccacacc ccatatgaca aaaagctgga 540
aaacaagggt tgtgttttca cttatgtatc accagatgca ac 582

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<210> 126

<211> 196

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA849898

<400> 126

aaacaggcaa aagtgatttg atttattttg agccagggtt tcagagttca aagcccccca 60
 accacatgta cccaagcagg acaccaaaagc gaaaggaaca aaggggaaaa accctcccc 120
 atttctggac acacggaaac caaaggagga gcctggggac aaaaccatt cgggggacaa 180
 ggaggagcgc ccccc 196

<210> 127

<211> 504

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA849917

<400> 127

aaagatagta aaacttgga tttatttatt cagtcataac tttaaagctta actacttctt 60
 ctccgagcat agacagtctt ctgtaccatg gtcctatgta ggtatttagt caggagagtg 120
 aagagttaac agatggaaaa ggtctctggg gcagtccatt tgctgagacc tcaagtggga 180
 cagggcagtg agcagagaca tctgaccagg gcactgtggg taaggtaggg gtgcctcaga 240
 cttggccctg ctactctcgc tcctaaagaa ctataccctt caagcctcag catctcacac 300
 cccaatccct caggctctgc ttcttgatg cccaactctc aacagggtg ccaaccacta 360
 agacagacac agctgctatg tcccacctct cctcagcagt taaaaaggaa gagactaacg 420
 gggagcctcg gagtttact tactggctac agttcgctat gatgccatca tcagtgtaaa 480
 caatgttgct ttagctgtgt aaga 504

<210> 128

<211> 513

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA850038

<400> 128

ggaatataac acacaaagac tcgaccaaac agttcagtta ttataacttt tacagtatac 60
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 tctaagatac tgaatcaatc acgtcaccta taagtgccaa cagtgttatt ttgtcatgct 180
 gatttcaatg gtacttttta aaaaggggga aatatcaaca attataatac aaagggttg 240
 catctataca aacagatata ggattcataa caattcaaga actaaggggg ggggacccaa 300
 ttcaaattac aaaagttcac tttttattca aaacctcagc ttgtgtcttg gacacgttcc 360
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 ttgtcatggt atgggtggg ggtggggaag ctaagtgttg atgtgatccc tccagcttgc 480
 taattagagt gctcaacttc tcctaaaaaa aaa 513

<210> 129

<211> 419

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA850195

<400> 129

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 ctgaccaagg agtaactcta ttgcctttca aaaagccctt ggaagggtac cctcaatcca 180
 aaagaccatt agctctcctg ttacagtttg tgtacaacac cctcatttga aagtgcgcg 240
 tctatcttaa cgaaaacatc ccagaatgct catagatgtg agtgtatcat aaattatatc 300

tacgttttag aaatggaata aagtaccaat ctcagtttaa atactaaaat agaaataaaa 360
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<210> 130

<211> 492

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA850378

<400> 130

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tatatacagt gaagtataat aatctttaat tgggaaacgt atttggtact cctgatctgt 120
ttatattaaa actgtggggg aaacgaatat ctcggttaagc gctacatttc cagtcgatcg 180
cacctggcac ggaaagcgtc attgcatctt aggtcctgct tgggtattata agagactaat 240
ttgaagtcct aggattcaaa ataaacatca tttggaataa tagatatata catcaaaaat 300
acatctagaa aggcattggt tagtgctatt aaaaagctgt gtgctcatgg ggaagggtcag 360
tcgaaagtta cctggtcata ttcttactcc tcatctccac tgtccatgtc aatgtctact 420
tcctccgtgt ccacggcccg ggacaggatg tccgccatga gtgcttcctc tagtttcttt 480
cggacttggt gg 492

<210> 131

<211> 617

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA850480

<400> 131

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aaaaaatata ttgcaagtta gatctaaaaa aggaaatcta aattgcctca tagagaaagc 180
cagtgaagtga gcaaaatatg tgactcaaaa ctaaaagaaa cccaaccaag aaatagattc 240
cacaaaagtc agttaatcct ccaattttta ataatgatc tccaaggga aaataattcc 300
actaccacag caatttggtc aataaaagca gagccacact cttaaaggga aattctacca 360
tatgtaagaa aaattaataa atctttttaga aaatagaaat ctccatggtg gaaaacaagc 420
aactaaataa cttcatgttc actctgttag aagttcgaac ttctgtccac atatgcaagt 480
gacatgaata tgaatgcaca taaaacaag ctctttgact attagttcag ttgagcctca 540
ggagatctaa ggagcttcaa aatccaagga tagactggtc ccaaagcaac tcctcctctg 600
tcctttcttc accttgt 617

<210> 132

<211> 531

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA850618

<400> 132

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cttcacgcta tcaccatggg gacatcgctc gagaatccgg taatcatggg agcatcttcg 180
tcgtcctctc ctaggctatc cccggaggag aagatggcgg agcccagcct ggagctgtag 240
tggctgttgg caaaggcagt gaagctgtct tgtaagcggc ggtgcttcgt gtagaggacg 300

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gcaaagccga ctcccaggct cagcaggatc aggaacaaga taggaaccac cacggccgcg 360
acgtcagtag acctggcagt ctggaccact gtggcatctc cacctgagct cagttcgtca 420
tacagcagca cggcaggctc cccgcagatc tggctaccaa agagacatcg agcctggacc 480
gtgaaagtgt aattgtgacc catcttcagg ttggacactt taaagaaatt g 531

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<210> 133

<211> 580

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA850738

<400> 133

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gcttctctga ttaaacaaaa tacatttcat agaaatgatt ataaaatgca tcgcagatag 120
aatgttttat acttacagat cttatggtac cctaaatcat tattaataaa aaccagccaa 180
cccatactgt aagtaaagtt agcagaccac cacttacgct ttattgtagg agaaagacat 240
ccaattacca tgctgaaatg ggtttttagag tccaacacag acatcctgct tcaaagctcc 300
cactgcactt acaaccccag gaacggggct ttccttccca tattacattt ctaggacagc 360
tttgggctga aagattagtt ttggtttcag agcgaatctg atttagtatt tcaatgtcac 420
acctcaaaga ttcctgacgg gaggttgggg agaatcactc caattacgta ctagtccacg 480
gcgcaagaca gcacaacaca gatgggacat ttaattcact ttaccggaca tgctcaccca 540
accgaaattg ggaaaattta aaggcacaga tgaatagaaa 580

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<210> 134

<211> 438

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851050

<400> 134

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atgagcgctg cagttctggg catgcggtggc ctctcccggc ctagcttgct agttttatat 180
gatggtaagt ctccatctat aaatatgcaa gtgtacagaa tacatgtgtg cttttcgacc 240
tggtgtttct gtatgggaaa gctgccccga gaggatgcta cctctgttct tctgtcttta 300
gtgatgttta aatggtttgc attattttca tgaaatgaag tgcgttaagg ttaggagact 360
gaggctggta aaggagaagt ttcttgagga tgactgtgtg caagagggaa ggccacccaa 420
gggcccttcc ttctgagt 438

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<210> 135

<211> 494

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851233

<400> 135

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gcaacgaaga cggtaggtac tcggggatcc agctgaggag agatgggtca ctgcagctgt 180
actctgtaag cacctattag caacttcacc ttggcaaagg gtgcttcctg caaccttata 240
aacaacttat tggggccagc aacagggctg aatgaataaa caaagtgact gtccagaaaa 300

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acaggtagct ggaatttatc atttagcacc acggcttgca cactgcatgg tccacaaagc 360
cgagcaatga catctttacc caagaagttt gcatggaaaa tgaagaggag gacaccagat 420
ccttcaggca tgttctgagg gggcatgtaa ttgaaatctg ttgagaaatc gggccactca 480
cagagccgat gaca
494

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<210> 136

<211> 719

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851329

<400> 136

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aaaggaatat aaaactatctt attgaccact gttcaccatt atttacaata aagtaaatat 60
acagttggat gacattctga cactacaaag ttcttttctt ggctaattga accagaatgc 120
aaatactgaa aagattgatc ctacccgtaa ggaatgagtc agggtaaagg aaaggcatgc 180
agggcactaa ttgatattag caaattttgt tcaactcactt agtcagcagg tcttaaactc 240
ccaacatcag ctccaacatc gattctatct ccacatcaaa cagattccat gaatcataac 300
cttttagtac agattttaac gtccatacaa ggaatgggtc accagaggaa cctttacaca 360
gacccactga cctagacctg cctctgtaga ccaggggcct cttaaactcag agctctatct 420
gcctccagag ttctgggatt aaaggtgcac accaccatac tcggccaagt cttgctatta 480
aatcatacta ctatgttgct taattccatt tcctgaaggg gtgttggtat ggacaacatt 540
ctgtaaataa actatccaat aaattacaga ctctgcttat tctgaaagggt tatggtttca 600
ggagaacatt cacggtgatg gaatctcacc aacttgcgtt ttcacattca gttcttttga 660
gtattaaaaa aaagataaaa cagacagggt atgtaagtgt tttatgcata cactgcata 719

```

<210> 137

<211> 574

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851343

<400> 137

```

ggggtaaaac atttattgct cctctaggta atgtcaggta tgacatatga catgggttaag 60
tctctcagtg ggaatggaca ccaaggtgac acatgcagca agtccataga cagggtctct 120
agcacatgat ggctcctct atgacctgct ctttgaccct agtccaaca agggcttgac 180
aggccactgg aagcatggac ctaacctgct gcatgccatc tccacaggat gccgcctaac 240
ctcaggtgac agcacatcag gagctcacgg gcgcgctcac acgggcacgc tcacacaggg 300
cctgtgcagc acaagattat ggagtcacct cctttgatcc taagctggcc tggctcctcc 360
atcagcctca gggaggtata ggaagatgaa tataggccca gctttctgag cttagctcaa 420
ccacagcttc tggctaagct ctggaccacc aggggctgga gccttgacc agggatggga 480
tagtccgttg ctctgtagg tcagctgcac acgcactgcc accatcgagc catggcccaa 540
tgacaggatg gctgtgtcgc cttccttgat cagc
574

```

<210> 138

<211> 545

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851803

<400> 138

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aatacaactt gctttcaaca gcaattttca aagtaaacad atcatagacc ttataactta 60

```

```

ttaaagattt tatagtgttt acaaatttga ttctaaaaat ataccttatt tgttctaaat 120
gaataacatc tgaaagacag aataataaat atagcagtgc gctcaccact actgccacta 180
ggcttgtgta cacgcattct gtatggacta ctcgtgggat gttcacactc tccgcctgag 240
aacacagagc atattacact ccagtgtaca agacttcagt ctgacagcat tgctctacaa 300
gaaagaaaat taaaatgtct acttgacact gcagggaagc atgggcacac gcgcacacag 360
acacgtgtct gcattttctc tcacactcaa acagaagcac acgcacacca cagaagtcag 420
aagaatttac ccttgtgtgc cagacaatta acaatttcag aaatgcagag tgagtggaga 480
gtcggccgat acacttaacc cgtaagtaca tggcaagggt tgттаатggg gtgcaaagtg 540
cgctc                                         545

```

<210> 139

<211> 294

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851814

<400> 139

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aatgagtatc ttatgtacac acacacacca tacaacaagc ttggttccat tataattcca 60
tcaggcgctc aggtatgttc aatgacctga gatagagttg atgaagcatg gccttttaggt 120
cacaatgaag tccatcagtg agttgtcagg ctgcagtgtg gggattggga catctgctac 180
ctggatgatg ttgacttcta ggattccatc tacaattgtg atgggtggctc tgaagtaacc 240
atatctgttt attcggcagt tttcattgga aatgtcactc agctccatgg attt      294

```

<210> 140

<211> 591

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851953

<400> 140

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aagcataatt aaaatcaatg cagaaaaata ttagctacat tgggtaaaag tagtgattgt 60
tgcagtatct gcctgtaatc cagtgaagac ggtgtaggaa acagcatcac taaatgaaag 120
acagaatgga ggggtgaactg cgaaggctct gcatgctcta ctggcttcca aaggcattca 180
gagggtcatc aaaaatgttg gacactttgt tctcagacct taattcagat gctgcctcag 240
cagattggct tttgggttta gatgctttag cctggaggcc agaggagaaa atatcatctg 300
tatcatcgct aaacatggac ttggctgtga ctttcttttt gggcttttct ttgggtttca 360
cagtcaagtc agcgaagata tcaatattat catcaaataa gttgggttcc aaagttctct 420
ccttctctct tttttttgga aaaggcttct taattgcttc cgtagcaaat atatcatcct 480
caaagatgtc ttgagttttt gacacaacgt cctgatggct gtcagatttc cactgattct 540
ttttgccttt ctgatctgca aagaggtcct cctcatcttc aaggaggggg a      591

```

<210> 141

<211> 538

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851961

<400> 141

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ggataaaaac agtgtagtt taagactggt gggggaacgg tggggctcag atcaaacaaa 60
gacagtaaca ttctcagact cctatccacc catggcctga ccccttcttg tggatccag 120
cctccaggaa gactagatag ctacactggg gttattgcta ggcattctag gaggggacat 180

```

```

caaccagcct gtgacctcac ttccaactcg ggcacagccc cactttgttg gccagttttt 240
gtcctgtcct taccaaggcc caacgtcatg agcagctctc tccgtgtctc tggagcctgg 300
agtcagtgat gccggtattg ggggctgtgt cctgggaggt gagtgaattt gcctgtatca 360
ctcaattcca ctttacattc cctaactaca gaggcagtgt ctcagtgttg gagccaggaa 420
ctggccccctc cagtctgggg atcattagat gaagtactct tccttctctt tgcccttggc 480
tgagtcagtc tccatctgga ggatggcgct gggctcccc tctgcaggct cataggtg 538

```

<210> 142

<211> 538

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851963

<400> 142

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ctccactgca tacatagttg gtgttcaaaa atttcccaa tgtttgttct ggacacaatt 60
gttattagcc aactcgggtga attcaagaca ttgttccaca caatgaacaa tcgcacacat 120
gagaactgca cctagaatgt ccatcctaga atctccatcc atccagtcaa agtgctgagc 180
tactgactg aaggaaacat gacctgtgtt ctagaacgta gctggctatg aagtttactc 240
atgtgtaaat tccttaaaaa gattaaattg tttggcccat ttctatattt cataaaataa 300
ctataattac aaactttcta aaaataattt tacaaccatg taattatgac taaccatata 360
atctaaaaag taagtgaagt cattgtccta gagattgtct gagattattc tgctgagaag 420
cttacttcaa actcttatca ctacttecta cttccagtgt ccttgaatta agaacagaaa 480
ttgtaactat gctattctac atcagattga cacaacctac ttctaagtac actattgc 538

```

<210> 143

<211> 432

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851967

<400> 143

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agaatggctg attcaccctc gtgacttggg ctggatgtca ctttatgaaa tggtagtttg 60
tcacaggggt gagtgctgtt aacagcagca gtcctttgtc agttcgtggg actgctttct 120
tgttggcatg tccaccaggt cttttcctgc tcatctctgt attgctaccg aataggactg 180
gatgcctgta tggagagtgt ttggttgttt tggttttggc ttaaagaaca agcaaaaggg 240
actgagggga ggggacagct gccggttctg ctgtcccaca ggcattccct tcatgcagat 300
tcgaagggtg ggtctagtgg ttggcgctg cccctcccag tatccccagg ggctccgtta 360
cccaggcgac atagaagcta ccacctgaaa aaaaacgcgt cacacgggat ccattttcat 420
atgagccctg gc 432

```

<210> 144

<211> 458

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA852018

<220>

<221> misc_feature

<222> (1)..(458)

<223> n = a or c or g or t

<400> 144
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 aacccacacct tttggctttt ctgatgaggc ttgaactcca ggggtgtggg cattgtgtgc 120
 tgagcatgag caaaaccctg agttacagct ccacattaaa gataaaaaca caaactccaa 180
 cctcaggaaa agggaatcac agcaatgtgg atgatgtatt gtgtggattt gaatttagca 240
 ccatttgaaa ataaggcaag attcttgact ccgagttttg catctgggtt ttgtgggaca 300
 cgtgcaggac tccatggctg gtcagcagct ctggcagact cctccacttc aagctgagta 360
 gtttttcttg ggacaatgac cttcacttat agcagacctc cctgnngggca tcagccatgg 420
 aggagcagat gtctggcttc tctgtncctt ggtacagc 458

<210> 145

<211> 519

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA852027

<400> 145
 gaaattaata atttctcaatt tattaagagg tctacacctt tacagccacg gtgccagctc 60
 tggcccggca aggtcagcct ggcagcccct ttcctacatc cacctggagc tcccatgtgg 120
 ctgcagccca ggactgggca gtgggcgttc ctggtggcag ctggtggcag aggtattgag 180
 gtggcacata cagctttgtc tctacagaat agttccagta gggtagagag tccaaatccg 240
 tgatgaggaa tataggatga cttggggaca aaggctgatg gtcttgccgg tggcccagct 300
 gggacaggct ctaaccagcg ctgccttgac tgttgccctg ggctgcagcc agctggcagg 360
 gtggaggggg ttctgagttc taccaacagt cgcgcagccc tcttcgcaga acaggtgtgg 420
 gactgcccct ccccggtctg gccttgggaa ctctgcacat ggggcaactg cagatgaggt 480
 cccagagagg acggagctgc tgccgccaat cctgtgggg 519

<210> 146

<211> 481

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA852038

<400> 146
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 tgtccgacat ctttgacacg ggaaagagaa gagcacacgt tggtaaggca cctgcagagg 120
 agcgaagccc ccccttttgg cttgagactt ctgggtagct gcttgacagt ctgtcgagca 180
 gaaaacaaag tcatcgaaag tttgctctca cccaggcttg aggtgacgat tttggagcct 240
 gctacagtgt ggcttttctg gtgaggtgag tcggcctaca ccgaggcaag gctgaagagg 300
 cacctctcca cacagctcac agaatectcc cagacaccag gctgagcctc cagccgcttt 360
 tcagctttga agagaaccaa ctttaatccc acccaggcac atgcttttaa atttctcagc 420
 ccaaacttct attttcaaaa cgtaaaaatg caggaaaacc tcaagtacag tcagacctta 480
 c 481

<210> 147

<211> 453

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858448

<400> 147

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tttttttttt tttttttatt atatactaaa ttaaaacttt attggataaa gaacactctc 60
ccgagcacat gattggatgg gctaggtcta cattacatgc tacgaagccg aacacgacag 120
cagtttaacg tggaatgtca aacacattag tttctcattg tacaaaaact cttttctgta 180
gctgacgcgc aagagggaaa cacatgataa ctcgacattt caatcatctg tgatgagttt 240
tgtttttggt tttttttaaa aaaagtcatt tgaagaaact ggtgtcttta gcatacagtt 300
caaataaatt agttacatgt gcaactgttg aacctccctc gccccttagt gtttcaaaca 360
aagtcttagt gcaaacatcc aagttgctcg tcaatctaaa agactgttaa actcagaata 420
caagttctga gttatgtgta gttaagtagg aca 453

```

<210> 148

<211> 522

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858548

<400> 148

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cggccgaaat tgttttattt ttttggtttt ttttttgacc actcagacac ggatttaata 60
attgtagaaa tccaaagaat aagcatcaaa tctcgaagtc agagtgaact cttgcctgcg 120
ggttggtttg actacgccc a gccactgagc tgcctcaacc agccagggat ctatgaggct 180
gacttctggt ttcattgatgt caccatattg agtatgtatt ttgtctcaat aaagcatttg 240
taccgatggc tctggagctt ggaggaagac taaaggaatg tgtagtgatt ctgagtaagg 300
tgtggaccta cacggcagaa ctatctgggg gagggaaaaa caaaggcctt tcttcccggtg 360
tcaggacagt cttgagtggc tgaactaagc acatggggcca ctggggctac actgtctgaa 420
ctccgacagg tcctgctcct ctaggagag cttgcagttg ggagtttttag cagataagca 480
ccgaaacagg tttccgattc cttcctgcag ctggtgtgccc tc 522

```

<210> 149

<211> 454

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858573

<400> 149

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tttttttttt tttttttaca ggaaggggaa gatctttatt gcaaagtgga gcttatcaaa 60
ggaaaaagac acaattctcc atgtccttca tttcagcttc tgcttctctt tctttcatgg 120
aatctccagg atgtcactca aagccagaat tgactcttgc tctgcgttgg aggttcagga 180
accttctatg ggcaggagga tgtccctcctc tcgtgatctc tttgggttca tcataaagaa 240
agccaagtag ataatcattt cttegtcggg gggatcttgc catgtcccca aaaatcatca 300
cagagtagcc ctttggaag gcgcaggtgg agggatcacc agactctctt aggcattgtag 360
tttcctgaac ggtgaactct aagttcatga ccagtggtgc ttcattccagg acattaactc 420
tcttcaggga gctccgcgtc gcccgaaaca ggta 454

```

<210> 150

<211> 472

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858588

<400> 150

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tttttttttt tttttttcca tttggctctt tttattagag aaatcgagaa gacagcgagt 60
agggaaatcc ccatagttaa tggaaccatc acatagatgc ctttctggaa ccccaacctt 120

```

```

ctatgatccc caaaagtgtg cttgtgattt cagcaactta caaaggggag aggaaatact 180
gagaaaggcc actattttaat aatgaaggag tgaagggtgc tctaaactgg gctccaaatc 240
tccgtgggtg ttgtcattgt tacctccctt tgtatcatca agttgggtgcc cttttctgag 300
ccttataatc ggctctggag tcttgggtgca ccccaatcgg tggtcgggtg gctcgttcat 360
gggataccaa agccttcctt acaaagtggg ctttctttct gtcccttctt cttggggagaa 420
tggatttcta agggatgggt agttgaccct ccttcgcgacc caggcaatct gt 472

```

<210> 151

<211> 354

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858704

<400> 151

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tttttttttt tttttttgat taaagaaaga actctgggtt ttaatagttt tgatcattaa 60
aaaagtttaa acctgcatag caatcatttc agaaataatt atttaatggt ccataattaa 120
actgtacaca acctagtctg gggacacata agccagtggg gtgaatggag cagtctggcg 180
cggccccagg agccaggatt ccagccgagt tttgtcactg tgttcatcta agctgttttt 240
ttccttttct tttttaaaat cttttttggt ttttttagat ttagtttttt ttcatttttt 300
gataacttggc acagtctggc tccaccgatg ggcattgagca gatccctcgt gccg 354

```

<210> 152

<211> 526

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858716

<400> 152

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tttttttttt tttttttact ggtgaatcat ttatttagac aagacaaaaa catctccacc 60
tggtttctct ttatacagaa agtggaaacat ttcaaatata ttagcttttc tctttttcga 120
cagaattcgt ttcagtctgg tcccaggaac tgcttctcat gttaggattc acgtttcagt 180
aacacgtatg cgcccatcac agccaaaaga gcgtacttga acttaggata gtcgttcatt 240
ataatggtga ccatgccaac atatggtaag aaccctcgag ctcttcctac cacgtccttc 300
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cctttagtca gaaacttgat gtctccatta tctttttcat gaaccttgat tactctgtga 420
actatcgga tgtctcttcc ttcaacttta aaaacaacta tttcaccagc tctgatggga 480
tcttcccgga aatttgtgag gaacagcaga tctccctgt gaaagg 526

```

<210> 153

<211> 539

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858758

<220>

<221> misc_feature

<222> (1)..(539)

<223> n = a or c or g or t

<400> 153

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tttttttttt tttttttcaa gctcccttca tgctctttat taaaactatg caacattctc 60

```

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catccttttt atctcccaa gcaattccac cctagtccaa aaagaaataa gaagaaggag 120
aataatagaa attggaccag ttcttaagtt tcttcttcca tgtttcttgg aaaacagtgt 180
gtagtcaatt cttcttcac cgtggcttca ctgtggcacc ccatttccag tgattgatct 240
tctctccaaa caggtagagg ctggcactca ggatgtaact ggctgagaag aagagaataa 300
taccacagcg gctgagggag gcaaacacgg ggtacacca gtttccggtc tgaacgtagc 360
gccaaaggat cctgataatg taagcaaaat tacaggcacc cagcangctg agtcctagct 420
tcttcgatgg atagttgtgt ggtctgagaa cggtttcagc cagggaaaag ggaaatatgg 480
aggtatgcat tgcgtgatta aaccatgctg gaaagaaatc atccaagccc ttggggta 539

```

<210> 154

<211> 554

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858760

<220>

<221> misc_feature

<222> (1) .. (554)

<223> n = a or c or g or t

<400> 154

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acctgtgcac ggtgatgccg ggttattcgg cctggagaga agggttattt attttttttt 180
tttaaaaagg aggcataat ttttacaact ttgtttctta aaataaaatt agcagctctt 240
ccaaaaatat tttaaaatat acaaaaagag ttcgaataac tctgaggtta tgggaaactc 300
aaatccatgg acaatttggg tagctcaaca gaatatgggt ggcaggaact gctctattat 360
cagcactttg aagatcagca natttgaaaa tcttaaaata ccctttcaat tttttaaact 420
taagaataag tttgataaac ataaaaagac ctcaaataga tcaacagata aatgcaaaaa 480
ccaaaaatcc aaattcatgg agaagattca tcagagtatc attgctaaag ttattgaatg 540
actgaaaatc cctt
554

```

<210> 155

<211> 384

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858852

<400> 155

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tttttttttt tttttctgag catgagtttt atttttactt tccctgtcct actcatctct 60
gccttccttc tctacctccc tctccctcct tcccttcaaa ctgcaagcat caggcaagta 120
gaaatccagg caggttatga acaggactgg aactgccctt cctgacatct ccagggaagg 180
cttaatgccc cctccattat cttgtgcttc tgtgaaatct gtcagtgagg atcttgtact 240
tctgtgttac ttcataatc ctggcagcca ggcttatccc agagttgttg ctgctccaac 300
agttcggctc tccttcctgc ttccttgctg cttccatagc ttcagcagag gtgtctgcaa 360
tctccatgac tgctttcaac aatt
384

```

<210> 156

<211> 467

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858910

<400> 156

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tttttttttt tttttttcca gttgccgttg ctgggtttta tgagggtttt tttggccaca 60
gatgagggag ggtggacagc ctctgggtgt aggggacagg agaccaatc cagacagtgc 120
tcaagacata catctgaaaa agccaccccc cattagaagg aatcactgcc aaatacttct 180
ctgtacacac acttcaatga cacagtggct ttccccagaa cacagcattc acattaccga 240
aagcagcaaa attcacttta aaaaacaaac aaacaaacaa aaaacaagaa acaaacgaca 300
acaacaaaac caacaacaga aaaaacgaaa cagaaaccag aagtgagaat cacaaaaata 360
aataagtcag cacattctgg gtctgtctgg cctgagaaac agacatatcc atcatagtct 420
ggttatcagg aacagcttca aggtcaggt ctctgaggtc cccttga 467
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<210> 157

<211> 507

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA858926

<400> 157

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attaatttcc tataaggaag gctttgtgca gggctctact gcccagatg tggctctgga 120
ttgagcagga gccctgcccg gcgttggggt ggtctcctct cctgtggaga agctccaact 180
tcagaagagt gtttgagcca tacagagatg atagggggaa atctccttgg tgatagaaaa 240
taaccaaaag tcggaaccac ccgaaggcgc ttcacagttg ggatgtggga gattcatggc 300
actgccattg cattctgaag caaacagcct taaaactctg cagtgactgc taaactccac 360
cttctggctg gagagaggtt tgcttagcat cctaaaagca atgccaaaaa gctctttctc 420
agagcttttt ttggggggcg gcacatgggg gcatcattct gccgcaactg gcctggcctt 480
ccctggcgctc acgtactggg ggacact 507
```

<210> 158

<211> 511

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA858953

<400> 158

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tttttttttt tttttttggt ttttagcgac tgttcgttta ttggttagtg ggagtacagc 60
ccatcggaac acacgacatg catttggggg agagcaactg tgcaactgcag ccgctgtaaa 120
cctgctgagt gtgcgagcag cgcagacggc acccagggaa aaggcaggga tgacttagct 180
gtctacgggt gctaagtgca aagtcttttg gaacagattt actttttgtt actcaggaat 240
tacatcaaag aggaaagccc taactgcccc ccgttcttaa actaaaggct aaggggggtg 300
gaatcatttg ataaccacc atccaaatca cgttcattgc aaactgtaat ccaattcccc 360
ttcattaagt tttccctgtc aaccataacc cctcaggatt atacacactg tatgagttca 420
gaaaagatta atgtgaatgt aaggggtatg tattcgactc cagcatcttt gtcacatagc 480
caatttcttt taaatgtctg ctataacaga t 511
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<210> 159

<211> 353

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA859085

<400> 159
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 gaaataattg aaaatacaga aatattttgt tagtacaaag acattacctc aactgtcctc 120
 ttagtgaaaa ctgaatatgg tctgctgat ctattagggc aatagtaaaa ataaatgtct 180
 gtgttacata agagctttgc ataaaaatcc ctgtattgtg tgtaatgtat gatatcgtgt 240
 acgcgatgtg tgatataaaa gttagcaaaa tgaaaaataa aacagccttt gtggattagg 300
 cagaaaaata tcaaaccga tgccttttcc ttatttcagt gacacgtggg aag 353

<210> 160
 <211> 376
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA859130

<400> 160
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 gtccttaaat aaagtgttca cagagtaaaa atcagaacta ccagtccttc cctccaacac 180
 aacagagcac aggcacagaa ccgatagtcg atgagcccaa ggagtaagga ggaggctgga 240
 gaggacagca gaggctaaaa gaaaaggaca aaactcagtc tcgggtccaa gggctcagaa 300
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 gttgccattc tcttca 376

<210> 161
 <211> 581
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA859150

<400> 161
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 ttgtgcatgg taacgatata cacacatgaa tcttgtttct cccgtgttct aagacagaat 120
 taattttaag ttttagtata gactaaagca tccaaaatac tgtggtacgt atgtagctac 180
 gaacatacaa acacgttgat gcacagcgtc cgttctatct aaataggcag tcagcatttc 240
 aattcataaa agaacacatg aggaggctgt atcattaccg atggcagaaa acgcaagacc 300
 agcggctctgt acacaaaatg tgtgagacag atgtgtcaag gtggaatgta caaaatcttc 360
 aaagaaacga caaggaaaca gacaaccctc attctcatag gcagcctcag aaggccgcag 420
 tcaggaatga taagaaagaa cgtagcaag ggacgcttcg ttgatagcca aacgccccat 480
 gttgtaaagc aaaagcattg aggttaaagc tgtgttgctt ttgaaaagta atggaagtgc 540
 cgtacattca ttggaacaag atagctgatt attagctctt t 581

<210> 162
 <211> 606
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA859230

<400> 162
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 tttcaaatac tctttcacaa ctgagatttt attggtcgag gagtagagta cacagacatt 120

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ccaattctta acacacgtac ccaaactctg aagagccgta gtgttcatgt accctaattc 180
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aaccgaatgc tcacaatgct cagttccacc aattcacaat tttatgtcac acacagaaca 360
tactcaaaat caccatcttt cacagcacat tatcacaact gttaggaaaa tggactgcca 420
tgaccacaga catcacagtt ctgacagggc gaggacaaa gactggcttt cttacaaaat 480
ggttctacta gaaacacggg accagatata actgaaaata ttccagacac gaatgcatga 540
ctgagacccc aaattgccat ttagtatgct ttgtactgta ggatataaaa ctagccccct 600
ctacgg
606

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<210> 163

<211> 550

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859241

<400> 163

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cggcagcaaa ggttttttgg cttttttttt caagttcaac aggtctttat tgaatgtcat 60
agttcaagag gcaaactctg acacactggg atcagtgagc ttgaaacagg atcactgatg 120
cattggtgat gataattcct agcaaagtgt attgattttt acttgatttc caagtagctc 180
tcaggcatct aacctgtgaa acagtgactg tttacatata gggatgcaag gggacataag 240
aatcagagca gaaaggaaac aacataaggt acttcacgaa aataatgttc caagaactga 300
aaagcctcga aggtgtacaa gaatccagta ataacaaact catgttcaag caggattaga 360
aacacagcgt taaaactgga ctgagtgcg tgtcttcacg tgcaaacctg ccaacactga 420
agaggatcat cccattttcc tgtgactagt caatacatta cgaagtctt ttgcaaatca 480
ctctgctgac aagtaacaaa actgcactga aagcctttac tagtctctt cccctccctt 540
tctcccggtg
550

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<210> 164

<211> 563

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859327

<400> 164

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tttttttttt tttttttaaa ccaactttgt gatctttatt gacgggtgac aactttatac 60
tccgaggaag cactacactg tgtataacag ggacatggca tcagaggtgt ggcagactcc 120
acagcagaca ccggcaagtg tccgtccctc tgcccactgt tcatgtgcac acagaacatg 180
aatgcgattt gaaatctgtt cacggtgata aagttacaat ccgccagcca cctctgcagc 240
ctgacgtcta cccacatgtc tgaccgcgca tgtctatgtc agcagtttcc ctcttgcaat 300
catttaaaat tcgtttcctg ttaggaacca gcaacatatt tttttttata tttatctcct 360
tttgaagtaa gagctatctc atctctgata actgggtcat ttttgtcatt tatcaaaaac 420
taaagggtaa aggaagaaag tgtgatgaat taaaaaaatt atttttttta ggaaagataa 480
aattcatttt cacaatttta caagagctgc tgggtgcggga cttattccac tacgcatcaa 540
actgggaccc agtgcgagcc acc
563

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<210> 165

<211> 556

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859341

<400> 165
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 tgcctgtaaa cataagatat gaaacaaaac aacccaaatt ttaaagtcta gaagcatgcc 120
 aagacagatc attttttacag accaaagagt cccaccaaaag tgataaagga cacccgaaa 180
 ggggcaggtc aagggggctg ggtccctccc ccggtgacac tgtgttggtt gtgatgagac 240
 ttataaaaaa caaccacta ttagaactat gagaaacacg gagatagttt agcaccaccc 300
 aggatcctgg agatatgtta gcacttacgt ggacccctac tgcattcaat gtccttgtct 360
 ccgtttctct gctgagggtg ggaggggaga agctggggga aggactcctg ctgaccacgg 420
 taagctggct ggggataagt ggacactagg aagtcctgtg gatttaggtg agtcccgggtg 480
 tcatttacct gcttgttctt accacatggc agcagcggcc actcacatct gccttagaag 540
 tttacctggt aactgg 556

<210> 166

<211> 255

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859342

<400> 166
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 tcttgcatg agttttggcc taaaatattt tttcaaaata aagtctaata agctgatccg 180
 cgagtaagcc gctaagcata tccacaggtg agtcaatcac cctgagcaat taattgcaaa 240
 ggggttcttg gcaca 255

<210> 167

<211> 558

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859348

<400> 167
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 aggagctggg tcagattttg acagagggtg tgggaaggga aaggggagaa gaaatcgaca 180
 tttattttat tatttatttt aaatgtttac atttctttgt gttgttccaa gcctgaatag 240
 aaacagatag cattaaagga ctctgttccc accccttctc tgtctctctc tccccactt 300
 gtgctaactt aggataacac tctctatttc gttttgtttc taaagtgatt tgtggacttg 360
 tgccgtgtga actgcattaa aaaggttctg ttttcaaaga tcgattgtcg ttctgtggg 420
 gacagtggct cctaagaaat ctgcattgta ggagaagaca atgaaagacc ctggccctgt 480
 ctctcaaaac ttaactctct gtatgattta aaaaaaatt ccatttactt tactttgtgg 540
 ttacttgatt ttgaggaa 558

<210> 168

<211> 515

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859350

<400> 168


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ataatctgca aatttacaga caaaaccata tatatacata tatagggtgca cacacacaca 120
cacacacaca ctctctctct ctctctctct ctctctctct ctctctctct ctctcacaga 180
tacatacctc acaagctctt gccaggtcag cctttcatct aagcaccatt ctcccacttg 240
ggctctctta ggacctgggc cccagagctc acatgtaaaa atttggtact aacataccat 300
aaccatgaa cagtagacct ctctgttctg tctcttctct ttccattccc attaccact 360
aaggaaatgc aggaagcttg ggctcagtag ccttcaaaaa acacaaaaac aacgacaaaa 420
atcagaaaca gtgccagct tccttactca gggatgtatc tgaggactca cgccacctcc 480
tgacttctgc ccaaaggga agcgttccaa atgag 515

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<210> 169

<211> 561

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859362

<400> 169

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tttttttttt tttttttgag acttatacaa tcgctttatt ttctgtcccc ctccccgaaa 60
tgtaacaaca ttaaagccat tccaacgtag atctatttct acggctcctt gcatactctca 120
ttgtagctga agttagatgt ttcagtaacg aaatgaagggt tatctcatca aaatggtggc 180
acatctcaaa gacgggtttc ttgttctctg aactctctgc ctatccctca aaacctaaaa 240
ccccctacgg tccagagcta acaggaagac agccacattc ttcggggaag aagggacagc 300
cgaaggggcg gggccgggag aaggacaagg aattggggca gaggagacct tcacttccac 360
tttctcagca ggaggaggtg gtttctgaga aacaggctta gagtccgcct cctgcggtat 420
cacttgaatg gggatgtgtc caggagggag atctggtcca gctaggcctg gcttgccttc 480
tggtttgttt tcgggttggg tgacaggggg aggcctctga tgggtcatgg gctgaggcct 540
gtcaaccact gtgtgcacac g 561

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<210> 170

<211> 548

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859536

<400> 170

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tattttccat ttccaatgg gtggtgtgtt ggtgtctgag acacaggtgg aagaaactgg 180
agctgcaatg aaggcagact tttttatttt tcatttccac tgaccaataa acagaactac 240
aggtgcaccc aaccacggac atgcattaac tcgtcatgag aaatctaggt aggctaagta 300
tgatgagaga atgtttgtca ctcccaaaaa tatctggaga ggaagaatgt agggttggca 360
ttgagatata atgtggacaa gctaagtggg ctccgtctga aagttggcat tcatccacaa 420
acgttaaaaa aataccaaaa taagaaaagg ctgtaaatta ataaggaaac acagaaaata 480
ctgctttcat aaagatctga ttgccttggc actggccctg tgggcagaat caaacgcctc 540
cctcccca 548

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<210> 171

<211> 533

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859585

<220>
 <221> misc_feature
 <222> (1)..(533)
 <223> n = a or c or g or t

<400> 171
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 aggggctggg tagaagagtc ctggagtttc ccataatcct tcgcaggaaa cagcaatgct 180
 ggcagataag gaggtggagt gaggcagggc ccttcaaaca acagggtggc gggccaaggg 240
 gcttggggct cactctaaca tgcaaagtcc agctgcccc aaaaactagg tgcctttgaa 300
 gagcgacata cgtataaata cataagacac agctacacgc acacatgcgg agaaggctct 360
 gcattcccaa ggggtanggat ctaggcctac tggccccaag acaggagtca tcatgtgtct 420
 gccaccaagt gattctctga aacactccag gtgggtggggc caggcaggta agtcttcggt 480
 gggatggctg cttgggtctcc aaggtgctgc ccactaggca cccaagccac ttt 533

<210> 172
 <211> 400
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA859633

<400> 172
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 aagtcttctc caacagcgag aaaaatgtac agttactcaa agctgattct gccagtgggg 120
 ctggggacag aagtgggcag ggtagggtga aaccacagag ggggatggag ggtgggaggg 180
 tcagggtcct gcctgtcaga gtagggccgc ctgcgtcctg cactctgctg tcagggtggg 240
 gggaatgatg aagggttggg ggtaagggag atgggctcca cactgtctcat tccccactg 300
 tcatgtgtct gaagggcagg ctgcacaagg tggctgtcag tttgtctctg aggaagtctg 360
 ctctcttggg gaaggacagg tgtcagcagt ctgaaggagg 400

<210> 173
 <211> 545
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA859645

<400> 173
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 tgttttttaa agtgctctga aactttcttc accagaatat tttctctgag tgtatgtgag 180
 tgaagttata catatgtaca catgcataca gaagccagag gtcatgaatg tcttcctcag 240
 ttactctcta tcttattttt tgagacaggg tgtctaactg aatctagagc tcacagatgc 300
 agcttctggc tggccagcaa gccccaggga tcttgatgtc tctgtcttcc cagtctggag 360
 tggcaggcac aactgcatg tcccgttttt tatgacagtg ctgagagtgc aaatccaggt 420
 ccttggtgctt gggtagcaat cgctccatct actgagcatc tctccgacct ataaccacac 480
 tctgagccta ctcacagtct catggcaaag gcaaagaaca ccggatcttt ccgtcaacac 540
 agatt 545

<210> 174
 <211> 283
 <212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859648

<400> 174

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tttttttttt tttttttgcg acttttgaag attgtaatat attctgtgga aaacattcgg 60
cagagcaaaa gccctccctg ggccctcccg cagtatgcaa ccagtggaac ggtctgga 120
tctgcagctc tggaaaggct cctggctcag tccttgagga atgcaggcag ctatatggga 180
agaacctgct ccaggatggg tctggatgag atggggatcc tatcaggga gatgacttca 240
aattcgataa caaggctctc acgtttctca ggtgttttgg gga 283
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<210> 175

<211> 483

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859700

<220>

<221> misc_feature

<222> (1)..(483)

<223> n = a or c or g or t

<400> 175

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tcagctgttc gattctgtgc ccaggacagc aattgctgcc tggcgccac tctctataca 120
gtcattgaca gctacccct cataggaggc ccagccaaa gtcaggggca acctctgggc 180
cgtcaggaat tgcagagctg agtctagttt ttgccagtgg cctagtgtat actgagggat 240
acagtttttg tgtagatgga ccaagcaatg gcttggttgc tctttcagtc ctaactgtgt 300
ggcagccgct tcctgtgctg ctggttgga tagctctgga gacaattcat ggccattggc 360
tttcagcttc tgtaaccagt aacctccaa catcacagtc agtctgaggc ctgnggggtt 420
cccctctgct tcaggaaaag caaccgagtc atacacgatt cccaggacgg tcgggtcttc 480
tga 483
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<210> 176

<211> 477

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859722

<400> 176

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atactttgtt ttgtacagag accgcctctc ctctcttctt ccccgcttg cttgccagga 180
agggtgagg atggcaacat gccctgtggc cgctctgcat gggcatctcc ccacacagac 240
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tcctctgca cctaccaaca ccagactctt gcctttcaaa cagaccgact cccctgggag 360
aaggaaagca caggcccca caggtgccg cctggagccc catagctggg gactcgtgac 420
accatgggac atgcacgctg gccactgaca tgtgggcacg ggacagaagc agacagt 477
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<210> 177

<211> 503

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859837

<400> 177

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atggaacgac ctgctttcca cccacataaa cctcctcaat gtttcgggtca tctcctagat 180
agaggaactt ctggataaca gcctcagaaa taccaccaac gaaatcccca caaacagat 240
caatgggaga gtccgatgct ctgggggttga tcaagagggc atcaaaatcc ttgccgacct 300
caaagtttcc aatttcacga tcaagcccca gggcttggct tcctccaaga gtggctagtc 360
tgaagacttc tttgaggggt aggtttttct cattcacctt attaatgaag aggacgttgg 420
aaaccatcac tgctcttcgg atggcgtcaa gcatggaata ggagtaacca ccagccacat 480
ctgtcccaag ccctatcttc act 503
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<210> 178

<211> 534

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859933

<400> 178

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tagaagcaat gacaaaaata accacttaaa ataggggatt cttccccga gtttcttgta 180
agcgtaagtc caggcattcc actcttccac tcagaaaaga aaaataaaag gctttggagc 240
acaccaacct ttactcagat ggacaaaaca tctgcctcca gttctcacgt tagaccagga 300
cgcatatcca gagtggctgg tctccatcca gcccatgctt gctaaagcag ccgagtaaat 360
cccaagggtca gtcccaaccc caaccttcaa cagtatgaac tgcttacacc tcttatgaca 420
caagccatgc ttcggcggaa gggtcgggtc agacaccct catctcccgt ggggtgaatca 480
caacagcagt catgtttgtg ttctcttccc tacagttcag tgtgcaaagc catt 534
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<210> 179

<211> 380

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859938

<400> 179

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attttataaa ctcaagctca gggaagcttg tttttgtcct ggaaaacaaa acaaagacta 180
aacaaagctt tcatagtatt atttgcaaac ctgacctcat ttagaaagag atgtaattgc 240
atggctagaa cacagcttct agcatgaatg atgcaggtgt gactagtggg actaagagga 300
gacgatgcac tgttgacaag attataatct gctgggtggc ttgctgaaaa aaaaaaaaaa 360
aaacctttgc cctcgtgccg 380
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<210> 180

<211> 425

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859971

<400> 180

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gtcagtttct cttcttgctc ttgccagtga ctttggacgg cgtgagggct ggagctgtag 120
cctggtacag agtggaggat atcttggtga tgttatacag accaaccatg gagaagatga 180
atcaagtggg gacacagact ctgtggatga ggccatatgc gaagagtgcc aattcttatg 240
gaaacgcctt ttacagtcac cgctgatgtg ctcagcagat acagtcttga aggtccggag 300
gcctcttggg gtttctacat atcccacaat agccacaacc accatgggtg gggtttccac 360
aatggtcaca ggctcgacaa cttcgggtctt attcacctta gatcctggcc ggtcaacttc 420
ccgga 425
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<210> 181

<211> 499

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859980

<400> 181

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gttcatcatt ttggggaagt caaggtagac gtttgaagca agtaccatcc tgtctgggtca 120
agcagagaaa taaatgcact gaaggcgctt gctgctcact ttctaacaac ccagaggcac 180
acttggttga acggccaate ttctgactag aatagctaga atacctaccc caccacctca 240
gcttagaaga ggtcactgaa tccaatttcc attacaggat tggctctgat ttgatcaatg 300
ggaaaccaca agacaacaag caagcagggg tgtttgagcg aagagcctga agttcaaacc 360
agaagccaca tccccattcc ttgaatggat catattgggg gccgtgcata acggtgcatg 420
tctttaattc aagtactcag gaggcacaga aaggtggatc tctgggaatt gaagccaagc 480
tcatctacaa aacgatttt 499
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<210> 182

<211> 591

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859994

<400> 182

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tttttttttt tttttttaag aaaaaaagaa gtatggctta ttatgcattc ttcatcgagg 60
gcattgaagt tgcattggact gataaaagtt gatgcaaat gagaaagaaa caaaaaaaca 120
aaaacaaaaa aaaaaaaaca aaaaacaaaa aaaccagcaa aatgtttacc aaaaaactca 180
aacaaatgag cagtgcctgt tcaatttcac agtctctgtt gagttcagtt gtaaatatgt 240
ttcaaattgac attttcttgg gaaaaaaaaa atctctacaa cattgtggaa tgtgaggggc 300
aactgtctcc cgggcatagg cgtctcaaag ctgcagtaga ttgcgccttg atcaggtggg 360
taatttgtgc ttttatcagc gagaactttg agcatcctgg gaagaggtgc cccacactca 420
atgatatttc tctgagaaca actttttagt gactgtgttt ctttagatac atttagtaca 480
actgtagggtg acgagtagtc agtgattgct tgctagctac acaccagggt tgatccattt 540
taaaactttt ggcattttgt cctcgtgggc cataaatata gaaccttgtg t 591
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<210> 183

<211> 417

<212> DNA

<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA860010

<220>
<221> misc_feature
<222> (1)..(417)
<223> n = a or c or g or t

<400> 183
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caagggggtg ggaggtgtag ataatccagc aagcatctcc ccatcaggaa attatgtctt 120
ggggcttgga atacagaggg gaggtgcaga ctgcattcag tggagaaagg ggaagcccag 180
ggggagctga aactgagtag ggtcttatga gaactggtag caaggagcct gggtaaggcc 240
tctggcaagc aggtccccta agtctgtcaa gatgctgtgt atggggttca gaaggacagc 300
accctaaaac agagaacaaa cttgccctac tttgcttcct accttgggtct ctatatgcac 360
tcatgaccct gaatcccatt gctgttaacc tctgaggtct aattccttan ggactgg 417

<210> 184
<211> 308
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA866240

<400> 184
tttttttttt taaattttaa gggaaccttt attttaaccc aggaatgggt acacaatgac 60
acaagggatc aaaaattgtt atatgaaaaa aataatacaa gtggatttgt gcaaaaaccc 120
caaaaactgc aagtgtcttc gggatcttaa aacaaaattc aggatgggtg ataaagggaa 180
gggactgggt aaaaacctga aggggatttc aaaaggggaa acattttaa ccaaaatgcc 240
cgatttatct aggaaggaat gaaccaaacc tggaaaatgg gtggcaaaaa ggcaaaacca 300
ttcaaaac 308

<210> 185
<211> 493
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA866276

<400> 185
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tagatgtgag ggggtggaaa ggatgactga cagcaggtgc tatagaaacc caaagctcca 120
gaaaattaaa aaaaaataaa atatatatat atacatttat atatatatat ataccaagta 180
atgcatgtga gtcccagaga agcagaaagc agcagcaaga agcaactagc acacaaggac 240
ctgggttcat gtacagcaca cacaagccat tccaatectg ataaccacc ccaagcccag 300
ccccacccc caagaaaaga tgtttaagaa acttccctct taaatggggc tgcacaactg 360
gggtactgtg gcacatctgt aatctcagca cctggacggg ggagacgtta agataagggt 420
tcaatggaag ccttagcgac acaattaagt ttgagaccag cttgggctac attaagaaca 480
tctccaaagc tat 493

<210> 186
<211> 519
<212> DNA
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA866426

<400> 186

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ttattttttt ttttttttga agtagaaata tttattcaga atataagaac gtttgtaaaa 60
tattataaat gtctctgtat aaataaatgg cgtttttttt tttaaacaat tctatatcaa 120
ataacacaaa ttagctatatt tacagcagct aaaaactaaa ggcattctgga aacattttaa 180
gctacaagtg aatctaaaac tgacaaggta tagtacagtg tgtagtagcc actttaaaat 240
gacactttcc atacaagcag aacagtactg acagatgcag cagacagatg tgctttaaga 300
acagtgcatt caagcaggat tttctaattc aagtgggtata aaaaacattt tcaattaata 360
aaaaagttaa atttcatgca aagtaagtta atatgtctaa aagcaaatta gaaatagaag 420
tgaacatttg tagttgttgc atcaggaagg taagtgtccc aacaggagca ctgcagaaga 480
acgctgcgga ctctacagaa tcccttcac atctcaacc 519
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<210> 187

<211> 301

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA866435

<400> 187

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tatttttttt tttttttcca cctataatgt tttattgtta caggcagtgc tgatctctcc 60
cacgtctggg atgacatcat gtggcatttg aactgtctct gtgcccattg ctctcagggg 120
ctacagtggg ttggatgtga ccagggaatg ctccccgtgt ctggggtagt accacgatta 180
gagacatcgg aggcaagcac aaatcttcaa cttcagggaa atttattcgt ccagccatat 240
gctgatactt ctgaattttg ggcacggacc ttcagttcct acttgctcgt catcttctcg 300
a 301
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<210> 188

<211> 534

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA866454

<220>

<221> misc_feature

<222> (1)..(534)

<223> n = a or c or g or t

<400> 188

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tttttttttt tttttttccc agtgtgtgtc ctttattctc cccagaagcc atgttgactc 60
ccttctgcag gctgatggaa ggaagggcgc tgcccttcac gtggactgtg ctgtggacgg 120
atctgactga gaggagcccc agtaccaagc agaatggagt tgagaagcca gggcgctcac 180
taacagagca ggggacaagt ggccctcctta gaaggtgtgc atgttctggg tgttctgagg 240
taacaggcct gtccacatgg cctgcatgtc cattgatggc ctcccaggct gctagtagaa 300
gtgaggctgt tgctggcacg acgttactgc aagcagcaac agagttcgcg tatccacaaa 360
gctgagcatg tctaccactt agacatgcag actccttgtg tcgcagagcc cctgggtcac 420
cagcggaggt atcacctgnc gggcgaggc atgcgatcgt gaccgttccc tccaacttag 480
tcgaaacctc ccgctgccgt ggtgctaaaa aaaaaaaaaa aaaccctcgt gccg 534
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<210> 189

<211> 504

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA874889

<400> 189

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tttttttttt tttttttata gactaggaaa tataatttat ttcataaaaa ttaattttgt 60
tacaagagga atgctaaagg ttatttacia gttgtttaca gaatgaacgg gtggggctgg 120
gactatcccc agtggatcag aaccacaga cacacagcca tggtcacagc ctgacatcca 180
agctcccaca caccgacct ctactagagt cccagaggag tgtgggaacc taaggggcct 240
cgtggagcat cccaggataa aaggacactt aagcccagag aaagcggtta tgtgcctgaa 300
gtcacacagc atagctacia cttgggtccc gggcttccca tttctatgtg cgggctaaca 360
gtgaccagca agagtatgcc caggggatg agcatctttg gcaggaggag ctgaggacac 420
tctatgaggc accattcacc tagatgccag gagcacctcg gtctcagtct tagagtccca 480
cttcaggagc cactgcgga accc 504
```

<210> 190

<211> 536

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA874928

<400> 190

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tttttttttt tttttttgga aataaacaca acacttcctt tattatataa gtttggcaaa 60
cagcaciaaaa atccagcaac attttaaaac tgtaaaaaag tcaaagtca aacagtactg 120
agtatagttt gaaacattag aaagaatgag tgcagagtta ggattctgaa gctagcagag 180
caaggcttgg tttctgaaca tgtacatgaa acacacatta aaacacaaca acataattta 240
tctttacaaa acccacagcc aggcaatagg aaagcacatc agtggggaag gttctggccc 300
acgtgtgttc actgagtctc acatatggaa gctacatcta cctgaaata ccatgtgcac 360
agggccaggc agggaaccga ggctgctact gaagttaaca attatttgag aataataatg 420
ctcaattaaa tccttctgta tagcaatttc tattataata atgaatttat tccgctgcaa 480
atctgagaag ctgagactta tttgttggca gtataaaatt tctgaccagt atcaaa 536
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<210> 191

<211> 443

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA874941

<400> 191

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tttttttttt tttgtattga aattaacctg attagattag aaaagcagct agtttgaaca 60
aaggctctca ttatggatcat tcacagctca cttatggctg tgcccccgct ggccctgaca 120
catgagttct tcttaccgg ctggtatgtg gagtgtgtta gttttgtgag gacctacca 180
gaaccttaaa gctcaggtgc gcttacagtc ttgtccatgg cttttgtgtt cttattggct 240
gtaaacgtct gtctgttccg aataaagatt tggtcatgag gcctctgctc tgaatgggca 300
tctgctcctg tgtgggtccg gcaggcttca tctactgttc cctcaaggca tggtctgtg 360
tggttgaat ttagtttttt tccatgtgaa gaaatatcac ctttggacct aataaaattc 420
ataacagggt aaacctcgtg ccg 443
```

<210> 192

<211> 516

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA874999

<400> 192

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tttttttttt tttttttata aagcaattcc aaagttttatt gccatagaaa aaactgattt 60
ctcaaagtca attcttattc tctgtaaaat aatacacatg aacagaaatc actatacttt 120
tggtccaaga tatgttgggt ttttccttct tcttcagatg atggatagat gcagccaaaa 180
tctatgaacg cgtgtacttg ccccaaatgt gcagcataaa cacagaagcg atgaacagaa 240
gactcatcac cagtactggg acagggccaa ctttgagccc tggggaatct tctgtgtaga 300
atcgccacat cccccagtc cctgcagagg tgggtcggcc tgcactccgg gttccgcagc 360
tggtcatttt tctctgccgg acagtggatc ccgccgccg tgcggccact gctttgctag 420
gagaacgccc agaggagccc acgttggtgg cactaggcgt tggacccggc atgctgatgt 480
ctaagaacag taggcacaag agatatgaag atgaaa 516
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<210> 193

<211> 580

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA875032

<400> 193

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aagtaggaaa gccaacaaga caacaagaac ataaaacgag aacaaacccc gagggaaaat 120
aagttttaat atgttcttcc ctccatagca gcaagctcta aacagctttc cttagtgcaa 180
atactgtagg cttgtgtcac acacagtaca cagaacaacg caacacacac caccacagat 240
gcttctgagc agagatactc ctcaaaaatt taaaactata caaagatttt ttgagcacgt 300
ggctctgcct ggagaattcg actagagaga ccctcctagg accatttcac cattactgta 360
aaaacgggac aaaagggtccc cagaaaggaa attagaattc cccatggagc cataaaacct 420
tgtacaactc gtttgccctc aggggtcta atgcaaattc actgcacgtc attgacatat 480
cccaaatacg gatgcataaa gcttgagttt ctacgatata ccaaataacg atatatatac 540
aactcccact gcaaaagaaa ccctgatacc tagtctttat 580
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<210> 194

<211> 561

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA875041

<400> 194

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aaacataaaa gtagcagaaa tagtttacgg agccaacaaa gaacttcaaa aataaaacaa 120
aacgaagcca tcaagagcaa agcaaaccag aaacagggaa gagaaaaata actatgtact 180
tggtcttcca aatgccagtc catccgaagc cagcctctac tgagggtccc agtgttcaag 240
agggaaagca gtctccactg aggggcactg tggcctgttc tatggcgtct gaggagaact 300
caggtcctag ggaaatctct ggtccagcct ggctttccct tggacatctc tcttacctga 360
gacacagccc aagctggagg ctggcttcag cttgctctta ggttccaggc actccagttc 420
gtctctagtc cgccgtggcc gtcctcga ggtctggcca gaggcaaact ccttctcctc 480
gaaactgcgc tgtagcttct gtagtgcagt ctcccgtctc agcagcttct gctccagctc 540
ctgaatgggt cactcatccg t 561
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<210> 195

<211> 549

<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA875047

<400> 195
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aattcattga agatagagtt aaaaaaatcg tagaactgaa gaagaaagtc tgtggtgatt 120
cagataaagg atttgctggtt attaatacaa aggggattga ccccttctct ttagatgccc 180
tcgcgaaaga aggcacgta gctctgcgca gagccaagag gagaaacatg gagaggctga 240
ctcttgcttg tgggtgggata gctctgaact cctttgatga cctgaatcct gactgttttg 300
gacatgcagg gcttgctctat gagtatacat tgggtgagga gaagttcacc tttattgaga 360
aatgtaacaa tccccgttct gtcactttac tgggttaaagg accaaacaag cacacgctga 420
ctcagattaa ggatgcaatc agagatggct tgagggtgtg caaaaatgct attgatgatg 480
gctgtgttgt cccgggtgca ggtgcagttg aagtggcact ggcagaggct ctgattaaat 540
acaagcca 549

<210> 196
<211> 547
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA875050

<400> 196
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ggacactgaa ctgacaacac cgtcagcatc tggacatgcc caggcagctg tgctggcctc 180
acggcaccta ggccttgccc ccttgccctc caccattcat tccccaatgg gaagaccaga 240
agttaagtgc agaatagaag ggggagaggt ggaggatgct gctggctctg gtacctgccc 300
catgactcaa ggccaggcct actcccaggt ctctgtccct ctctctgca gggacctagc 360
aggaacacga ggaggggacc tagggaaggg gtggctggat ggcactctggc ttggagaagt 420
tggcagcctc agataaggca gctgctggag gaactgtcag gtgcagctgg gacctctccc 480
cccaagatga cagctgaatt ggcttctctg tggcttggag ctacagacct ctactgggg 540
catacat 547

<210> 197
<211> 335
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA875097

<400> 197
tttttttttt tttttttggg gaaaaaatgt aaaactttat ttttttttca aagcagtaac 60
gcatctcagc tgtgttcagc tacagtacaa agaacaatgg aatagcacca gggaatttct 120
aaaaagttca caagatccgt gacaccttcc tcttctgac attcttctcg gctaaccaag 180
caaagaaagc agagcccca ctttccattc cttcagctac tgtccacca gcggtctgat 240
tttcatccga acggccctca gagaataatc cgctcctctg aagggaaccc agaccactcc 300
gttctctatc tcatagggac tgttgttccct ggggt 335

<210> 198
<211> 569
<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA875126

<400> 198

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cagtctggcc tgatctagtg tccagaagca ctgattagca gatgtgtttt cctctagctg 120
gctacaatgg ctgcggttca ttctattcag atgtcagaca ataggcacag ctggggttct 180
tattcaaaat ctgaaggagt ctgggaggag gacaaacaca tagatagaat caagcttagg 240
ccaggaacca gaaactacgg attgctttgt taaaggccaa ggaggcttca aaagcgaaca 300
cagctggagt ctcatattcag tctccatttt cgcaccactt cagtggaagt tccatgaaac 360
agcccgatgg ttctgaagtg ccatcaagtc acttcgagct ccagcaactt aggtttccag 420
gacatcttct agaagaactc gatcatccct tccacgttat ggggccactc acctggcctc 480
gatgccacc tggactcgaa gtagccctgc accgcgcctg taccctgatg acgacggatg 540
cagaaaaggt gagggccgcc ctctgtccg 569
```

<210> 199

<211> 438

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA875225

<400> 199

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aggggcctga ccctcagcag gcagcggcgg ttcttagatt agcgctaagg agctacattt 180
aggttaatgg agcctgggcc caaggcttca gggcagggcc ctcagtgaca ttggcagttg 240
tctggaacag cccttgggat ccaattccgt ggagggcagg gcatggggcc gcccaaagag 300
ggatgggtgt aaacaggcag acacactcaa ggcacggaat cactggaaag gggctggggg 360
cggcgggagg gatgctggtc aagacctgac agtttttaaat aggtttctcc aaaaagtttt 420
ctagatttgc aattttcc 438
```

<210> 200

<211> 540

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA875253

<220>

<221> misc_feature

<222> (1)..(540)

<223> n = a or c or g or t

<400> 200

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acaagagttc atacaaacat tactttgaat atccgtaaca acttgagcat gaatgttttg 180
gttggttggt tgggtggttt tctgttttgt tttagacat agcctcaagc tgcccaggcc 240
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aggattacag gcgtgtgcca ccacactgtg gtgtctgtct atgtcccgag tgttggcatt 360
tccgatacag tctgatttag gacagttcct gaccacaaag cctgactctg aaccctataa 420
cacctcactg tanggctggc aaagcaatct agcagaacct caccttcctt acagagttcc 480
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tgcacaaagt tcaggtcaat acagaaaacg cttctgatga agcggttcctc gtgccgaatt 540

<210> 201

<211> 419

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA875362

<400> 201

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tttttttttt tttttttcat ttagtatttt aataatataa aaaagacaat acaaaatcca 60
aacattcctt tttacaagtt cagatacata tttttccccc aagtgcacaaa tactctgtgt 120
accacattgc tgctgtctgt tgttggtga gatgctcgt gtgtgggagg cggtagaagg 180
cagatataaa tacagtattt tgagatcttt ttcttttgca ttaaaaaaaaa agccatccac 240
gtgataatta ttctctgaaa gttccaactt acatagaaca aagttttgag cttgtttgtc 300
tcaggaagct gatcgagaa ctgggcttct agtccttcta gctctcaaag gattcctagt 360
cgaacgaaat aatggcagaa agacagagtg tgccagcttt gagacaggtc caatgtcaa 419
```

<210> 202

<211> 512

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA875495

<400> 202

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tttttttttt tttttttgta taaaaaagat ttattgaaat ttatcaatga caaacagaca 60
taaaactcaa agtttggtc ttctcagggg cgggagaaaa atgagttaca gctgatctgt 120
acaaatgaga cacagggtag gaaacagcac gtcacttcta aagcaatctg gaaggggggc 180
gctgaaggca cagcactct ctaggagaaa tctgcggcca cttcagagtc ccaccaggta 240
agaaaatacg agcttgcat cttttccgt gtcctatgt atttgagaag gaaaacaaac 300
agaacaaaaa cccagaggac acacagggcg cttccagagc ttagatttgt taaaagggtc 360
taagctggag cgcccgagga gtccctctgc catttctgta aaacaaattg ctctaattatt 420
ttacagaaca agatagaaca gggtggcttt tctgaagaag ctgaaacacg aaggttcact 480
tctttcccat tttacgtgtc tcctaaacct gc 512
```

<210> 203

<211> 450

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA875531

<400> 203

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tatttaaaca tctcacagga cacaataggt acaattcaat tttttttctg cttgtccaag 120
aaacaggact tcttcggaac cacggggagg aacgaaaatg aggttggaac agaaacgaat 180
gctgaatcta gagaggagag aatctggggc aagtgttctt cattccttta gttggggata 240
aggtgaacga gagggccgct aagtcaaatt aagaatccca ctactgcac atcactatgg 300
aggatcgagt cttctgtaat tcttctagct ccatccacat tctcctagta ggtctgggaa 360
gaatagtact agggttatta ggaataatag taatataaat acacctagga ggtctttaat 420
tgtataatat ggatggaatg ggattttgtc 450
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<210> 204
 <211> 547
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AA875537

<400> 204
 tttttttttt ttttaacacc aagaaaacac ttttaatcaa ctacagaaac aatgggttata 60
 gtacagaata ttcataagca aaagatacac catgttttaa gtacttacia agttacaaac 120
 catttgcttc ctttaacattt tctgtttttt ttttaagtgc acaacacaag tatcagattt 180
 accattttgc gctttttttt tttgagggaa ggggggtgta tttatcatca gctagatgtg 240
 ctactgtat gctccattat ttatatgcaa gggccgggtg actggaagtg cagttgtcag 300
 gcatttttaaat aaactggaca gccatttggt tctgcacgac aaggcatctt tacacaggag 360
 caatcaggag aaaacaggaa acagccaagc actctgcact gcaacacgcc accttaacag 420
 ctaaccagca ttactcaact gctacacaac tgcgcctagt gcacaaaaat acataagaga 480
 agagattaga attgtgtcgg gtaaacatc ctttaaaaaa aaaataagtc ttttcacctg 540
 aaaagtc 547

<210> 205
 <211> 404
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AA875620

<400> 205
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 attgcaagcc attgtaagca gaaagacaga tacacttcag gcaaggtagg cttttattac 120
 attggctaatt gctcatgttc aagtgaggct ctgggttcagt ctgggctgcc acctgccatg 180
 cctgtgatgt gggacagcca gcacccacgg ctttgcggtc tttcacgctc ggatagctgg 240
 caacaaggca gtagtaaaaa ggagtccaac ttgtcagttt tgagtagcag ctaaggcctt 300
 cccagcacag aggacaaagg gcttggtata caatgagatg atcatgacat tctagtcact 360
 tgtaggaact ccaccttagt ctgggtccta agttagccca catc 404

<210> 206
 <211> 216
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AA891032

<400> 206
 cccagcccca aagttttatt accaacgggg cacattcgag ttcacacccc aggggggtaca 60
 gcttaaaaca cggacagtga cccgccccgc cccacggctt ccgtgaagag ttgcttgcca 120
 aagcacagct tcttcagggt ggtccccagc agggcattgc ttagcccaaa ggttcggggg 180
 gtcaagacaa taggtcaggt cccccccggt tttcca 216

<210> 207
 <211> 446
 <212> DNA
 <213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891041

<400> 207

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aaatagattc aataaaaagt caaacacaca cacaaacaca tcttaaaata gacttttagac 60
acgaagtgcg tgtttcttct ccacagtact gtgcagaggg ggagggcagg gggcgagggt 120
tcctccctag tatccccaca ggctgagtac caggcgggcg ggccagctcc gccgcgacaa 180
cccccttctc cctcctctgt taaatacaca aatatattat attcaatatg aattcagtct 240
ctttccagaa aaaaaaaca tacaaaatac gctggaaggg ggccatgtaa acctcgagggt 300
ggaaggactg ggcgcaggcg ggcaggccag agtccagtgt gtgagctgcg ccccgacct 360
ctgggcgagt gcccatcgcc tgccccctc accccagtgg ggggcgggcg cccagccttc 420
aaggctgggg gtgtccgtat ggagca 446
```

<210> 208

<211> 412

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891068

<400> 208

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gctctgaaaa cactttatta cacaaattac attcagattc tgaaaaatag tgttctaaca 60
gtgtaaccat ctaaaaataa gacatcccgg aaacacacca actgaggaga aatttaaaaa 120
tgaatttaaa tagagacttt ttaaaatttc tctcattgca atataatgtt agtgatttta 180
aaaaaataga aggagattta gcagcttttc gtcgtgtggc aggttggttc tcttctactgc 240
cacaggctga gaatgctgaa caggaaaggc accaaagaaa gacactggcg atgggtgtgg 300
actgggagaa tactgtgttc aagcagagaa tagggctatt tacatccacc aactaaaacg 360
tctccaaatg tgaatgagct aaacttcctt cgggggttgg agcgctacct tg 412
```

<210> 209

<211> 513

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891108

<400> 209

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aacaggactt ttattggtag taaactagag caaacaatca gaataatata tatgtagtat 60
tcagtacaca caataaaagt taaagaaatt caaaacctgt ataaaacaaa agagagagag 120
aaatcatata gcttaagaga tacaggggta aaggctctct ccatctttga tcacacttgt 180
ctctgtaccc aatagaactt actgcactta ataagacata cagacatttt agtactgagt 240
gtattaaaag aattaaacac ttttctaaaa atctttcaat gacaagttgg tacccttttag 300
ctaactaaa gtaaaagggt ggaggtggga aaagggaatt aactagtatt ttgtaaccat 360
ttttaataat ttcttatttt ccaaacactg cttttataac agaagtgttt tacacttgca 420
cagtattaat tactttatta tacatggaag cctgtggtac gctgggttaca caatgagact 480
gcaaactacc agtggtactt tcctgacgtc aga 513
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<210> 210

<211> 474

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891161

<220>

<221> misc_feature
 <222> (1)..(474)
 <223> n = a or c or g or t

<400> 210
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 ggaattctgc tcagaaaact caaagctgca cctgtagatg ttatttcaaa taaaggacac 120
 gtgaatttat gtacttggtt ttagcaagg aatttccatg atggtgtgta cctggtctgc 180
 gcacaccttt tggtagactag ctatggcttc tgcaggaact tcagtctgca cactgctgag 240
 aagcctactg tgaactgttc tcaggtgtcc agctgagggc aatgctgagg aagaccagca 300
 cagttgtctt tccttatata ccatggcacc tangcagggt caagaaacac ggcacagcat 360
 ttcatacaca aaatacaggg agccaacatt tgacttgtca agtttcagat ttgatatcat 420
 gttgtttggt tgatcctcca cataattcac aacaggaaga gtactgcaca ttga 474

<210> 211
 <211> 465
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA891194

<400> 211
 actctcaagc aaaatttatt aggtatctac tcaagaaaaa cacaacgacc tttgctcgta 60
 agaattcaaa gtcaatgtcc tgaaagccag gcgtgaatat ttttttcctt ttaaaatcag 120
 atacagagag tagaaacagc aatttttctt aaatataaca ggcaacagag ttgaagattt 180
 gttttcataa atggtgtgaa aaagtattca tttatcaaca aggctgcagg tggccggctg 240
 gctggctgac tttccaatcc caagtttttc taatataaag ctagtgtgta actggagagt 300
 aaagtgggtt tcttgaagat gtttcttcac ttcctgcccc aacaatatcc ctctgtaact 360
 ggaacattgt tattatatgt atttcagagt agttacaaag atctttctga gtcacaaaat 420
 tttgtgcaga cgatatattc cagattcacc ttagcttgtg atctg 465

<210> 212
 <211> 627
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA891221

<400> 212
 ggcatttcaa atgctactgc tgtgagtagg atttatttta agaaatgaac gacagctgat 60
 acaaaatggt tgccctccaag aagtatgtca tacttacaag ggaaaaggta attaatatTT 120
 aacattttcc ttgttcaacg gttctaattt ttataagggt tttataagtc tcatagtcac 180
 taagcagggt ctttttgaag ggtaggcttc atgaccatt tgacttcgtg cctttacatg 240
 acatgacaaa ttattttatt caaattatgt tttccaaaag agagggttct gtgctagtcg 300
 tctttgaaag ttttcatacc atttcagaac cacatttgct gggatgaaca tttccgatgg 360
 atttggtgtc atctgggcct gagagagagc aaatgatgaa gcaaaattgt agaagttgtc 420
 caacatcttc tgtgtgaact gtgtgaagga gtcaaccgag gacacagcgg cactgcctac 480
 gggagtctgc tgagccaaac tgtccaacaa ctccaccgag attccaatct gggcaacaga 540
 tggggttcgc acaatattca tggctccaaa tgggtgctgg cttccttctc cagatttaag 600
 acctgatatt ttgaagatgg cacttgg 627

<210> 213
 <211> 474
 <212> DNA
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891286

<400> 213

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gatcaacacc ttttattggt tcacattttt tttccagaaa aactgtaata aaaatacatg 60
gaattggaat ttgggttaca gtacattgtg cgattacaga acataaacga cgaagtgtac 120
tccttccatg ggggcggaac atttcatccc accaatagaa tcacaacatg attaggcggc 180
taccctacac tgtcgttctg atctcagaga ctggcagact taggagaaaa aaaaacaaaa 240
aataaataaa taaaactcaa cagtccactc ctttggttcc ctggtctttt ctcctcttca 300
acacacggat gtggggcgga tctgaggagg cctcgtgggg caaggtgggt gccgctggct 360
gaataccagg caaacccgtt ccctgagggt gccccacaag gtactgggaa acgccactca 420
gtactgcagg tggagatggg cagaagggaa gacaagaaaa ctcgtgccga attc 474
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<210> 214

<211> 484

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891423

<220>

<221> misc_feature

<222> (1)..(484)

<223> n = a or c or g or t

<400> 214

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cacaaagaaa gcagatgcca tgcgtggagg cacgtggact gcagctgcct catcctcaag 120
tcccgggctt ctggtgtttt gtccctcgat ccagcagttc ccatgtggag gctgcatggc 180
ctctgtcctt aacattgatg ccgtgggtca tgaggctctg gccgagtgcg tcacatgcct 240
ccagcaaggg ctgcctctcc tggagctgct gtttcggggc ctccccgggt gccccaggcg 300
tggccagtgc atactggcgg accttaagcc tgaagcgcac tagttcatct accacacagt 360
gcanggctac tgtgctgctg tctcctgaaa cacactgtcg cttggccaga gaaatccaac 420
agtctcgaaa aactgctcaa cgtaggcaac gatggcccca aacacagtgg gacttctcgg 480
gccca 484
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<210> 215

<211> 614

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891553

<400> 215

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aattttatatt cttctgctag agaacaggag ctggacacac gctgcccagg cacagctagg 60
tgctaacaca cgcaggcacc aggccaactc acttaagttt cttcctcttc ttcttcttcc 120
tcctcttctt cctcatcttc ttctgctctc tcagagctga aggtgccatc aggcaagctg 180
tagactcgga tgacctgctt gttgggggtc ttgaggatga ggtatttgcc ctctccagc 240
ttcatgcaga tatcaatgac acagcgcagg atgccccagg cattctccac actcaggttg 300
atttggtggt caaactcatt gggcttaaac tgctgggtgc ccaggatgac gtggcgcgag 360
gagtccttta catggtaccg ggacacatac ccgagcttca agtactcaga gccagccagc 420
aaagcacagc acgtccatcg cgccaacttg tagctgttgt tcttcaactc agtggcgatg 480
acagccccac gctgagagtc cagcttctga cgccagtcaa cgccattaca atgcctggag 540
tcccattcat tgagtgtctt gatgttgatg aaggacactt ccccgttggc cccagtcagt 600
```


acgccatcat gttc

614

<210> 216

<211> 493

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891694

<400> 216

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gcaaattgtga aaccactttt acttggtttt tcaagtagtc gaataggatg agaccattta 60
cacctgagat gaggcacttt tatgattccc cccaaaaagg ataagtataa actacaactt 120
ttcttggttaa tcgtattctc catttcaggt gtgattaact tcaagatggt ttacagggtac 180
tataaactttt tattttgttg tcttccattt gttccgagtc aacaaactct gtgaaatata 240
taaaatacag ccgcaacaca gaccagttac tgtactcaca taaaaatgat ctgaacatca 300
cgtaaggaca caagtttcag aaaaggagta cttcaacact acttcaacaa cgacgatagt 360
tttttcataa ttatgtataa atacattagt atccaaaggg cgaatctctg tactatttct 420
agataagaat gtcctcaaat gtgtaactga attacaaatt atagtcttac atatgctttt 480
aaagtaatca agt 493
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<210> 217

<211> 516

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891735

<400> 217

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tgctgggctg tccccgggac caaagaggaa aagagtgaac tagaaactga agcaaaggaa 120
gcttagtcac actcaggtga gggtgacagc tcctcctgga ttttgtttcc atttattaaa 180
aaaaaaaaaaga aaagaaagaa agaaaaagcc acccctcac tcccagccca ttcctcacag 240
ccagggtcag aaagcagcat cagtgaggcg ggttcctcac ctctgggttat ctctggccca 300
ggtcagcttg agccacctgc cctcaccagg agaggggttc agttggcagt taggcttggg 360
gaagtctcta cctggacccc ccagaggcct gggagcacc cctcctccc aggaaaggga 420
atgcagtgtc tactgggctc agaggggtgg cctcaccac ctgacatgag tcctgattct 480
cccctctcga ggacggcagg aagtttattg caccag 516
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<210> 218

<211> 593

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891738

<400> 218

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aatctccttg catcccagag gcgattgaaa gttgtagacg ggcagtggcg gcacatgcct 120
ttaatcccc gattctggag actaaggcag gcagtttggt ctacaaagt agttccagga 180
cagccagggc tacacagaga aaccctgtct tgaagggaaa aaaaacaaga tgatgaagaa 240
gaaaaagaaa taacgtacag tttttacaca ttccatacat cacacacata tctgaagaat 300
ctaagcaatg caaaacaagg cctgagggga ggcattgagaa gtaaagggtat ggtagggtaa 360
gaaagtgatg tcttcagagc tgctttctcc cctcagtaga ggaaggaaac gtttatctat 420
ggcaccgagg attaaggctg ggttggtaaa gaggtgtagg ggtcctttgg gtacaaactg 480
```

ctgttccatg ctttcatgga accacctgaa cgtggacacg gtgccaggca ttgctgagca 540
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<210> 219
 <211> 599
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA891739

<400> 219
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 cgagccgcgc tcagcgcccc ttactgggcg cgctcagctg ccccatcatg tcggccagca 120
 tgcgattgca cagcgcgggc tacggattga gcagcaccaa ctggcgccgt gcgaacgagc 180
 tgcccagtct cgccgcctgc tcgaagtctc tgccgggcatc gtcgtcccga ccctgaaatc 240
 gtgccagcag cccgcgctgc acgaagtctt ggcggggcggc gcgaccccg ccgcgcctca 300
 acgtcaccgc gcgctccaag tcctctaggc cgcttctac atccccctgg agccgcctcg 360
 cttgggcacg gttgtgttac gcagaggctc tctcaggtag caggctaata gctttgcca 420
 acctctccag ggctgtgttg aggtccccag cttctgctgc cctcactccc tgcaactcca 480
 gggccttgga ttgctccaac tgtgcttgag ggaaaactcc atcttcatct ccctcctctg 540
 tttcttccag gtccaatcca acaacatctc caaagggggg attagggttg aggatggcc 599

<210> 220
 <211> 511
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA891740

<220>
 <221> misc_feature
 <222> (1)..(511)
 <223> n = a or c or g or t

<400> 220
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 aacgaggccc cgcccaccga catcagggcc cctcccccaa ggcattggga ccccggggca 180
 atgacatcat catctcctg agtttccacc cccttgggtc gaggccggat gacatcatca 240
 tctttgtcct gctctgggac cgtagggaca gcagcctgag aatctgcgat ccaagcctgg 300
 aagttcccat gatgtttctc gaagaggcca gggaaggagc cgcgggggtc ggggacacca 360
 ggcagcaggg cttccttcac cctgcgcac cgcagcaggg ccaggagcag caccaggggtg 420
 agcagggcca ccggaggcca caggccaggg cgagagggtg ggtgggggtc ccgggggtcc 480
 tcgggagggt ggggccagtg cangagcctg t 511

<210> 221
 <211> 555
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA891774

<400> 221
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```

cttggctgag aagattcatg cttgatgacc aggggagggcg tgcagccccc caagaagaag 120
gggaaaagaa aaacgggggag gttgaaaagc agagaggtgc accttccctt ctgaggaagc 180
aattctggtc tgggaccagt tgcaaggggt tagtaagaga aacctaaggg gtgcttacat 240
ttttattctg gcaaataaat ctcttaaaag gctccctcct aggggtgctt acatttttat 300
tctggcaaat gaatctctta aaaggctccc tccttcgttc gggggaacag cacatgtacc 360
tgtgtcagcg tgagatgcaa tgctacacaa gaacgtggca ttgggccaat catgtggacc 420
cctgtgctgc tcccaaggga gaggttctgt ttgggtgtgg gataaatcta aacaagcata 480
cactcgtgtt atatgtggcc ttaagggtag gggagcaaaa ggaatggact tctctgtaga 540
gcagctcaag agga 555

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<210> 222

<211> 636

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891789

<400> 222

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gaaattttaga aacaagtttt atttaagatc tgaaatacaa ttcctaaaat atcaactttt 60
cagaaaactg tggctacaca ataatgcatt gcctctatca tgttagaacg tgcattagac 120
tcaaatacaa aaaccaggaa acaaatcacc atccttcaac aatttgagca aagatagaat 180
gaatgcctaa ggaacaacaa agatggactt gcagaggatg ggctgtttac agacgtcaag 240
caccataaaa aaaaaaaaaa agcacaaat gcgtgggttt ccaggtatat acagtaagtt 300
gaacctttgg cactaggaac cagggcatct catcacgtag cattaacaca tattagaaaa 360
ctgtgtagt tcaaagggat agaaccacca gcattcaagc aatgttgtca actaggcaat 420
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aatgaggaag ggagctgggc actcctttta ttttctgtct acaacagAAC aggaacaaa 540
ctgaaacata agccctgttt tacatcgaca gttttaaaga acatcaatta tacaatgaga 600
gggactaaac agaagtgttt acagatacca gacaat 636

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<210> 223

<211> 609

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891790

<400> 223

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ggagctcttg caaggattta tttgctacag aattgctttc ataccccagc gagctggact 60
aaggacttct gggctctaaa ggatttaggt cacttcatgt tttcaagtgc tgtgacattc 120
aaaaagcaat tttggtaggg cagagatggg gtagagtgc accatttgcc atgtggtaag 180
aggcgagaaa aataatcagt aatattaaac gtctaagaat agagaaggaa agaatacttt 240
aaagtcccca tctggacagt ccctgagctg aaatcacatt tatgtgtgaa gagaaatgtt 300
tggtgtgtga ccgtgaagtg acagatgctg accttgggct tggctgggtg aagcttccag 360
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gtctcctaaa tcccaactct cctggttctc tgaaaggcct gtggctcatc gatccccaat 480
acttcttttt atttttgaga cagggctctc ctacatagcc ctggctgtcc tggagctcca 540
tgtagatcag gctagcctcg aactcacaga gatcctcctg ctctgtcttc ccaagtgtctg 600
cccaatact 609

```

<210> 224

<211> 591

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891842

<400> 224

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aacaaacacc taatatttat taataaatta gtataacttga aggcattttt ctgatatcag 60
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tgacaactga gcatcagagg acaggttgat aaatgagaga gcgtagttgc aaatttatcg 180
gacaggagtt cttacagctg cagccatttt taacgaaagt ggttgatga caaaggaaac 240
ccagcaaggc cttgagggca gactggacct atagactatg tgtattgaga gagagagaga 300
gagagagaga gagagagaga gagagagaga gagaggaata aaaaaataa gagaaatc 360
ttttaagca aagctgggca taaagtggct ttccaagggt cagcaaagggt gttcctaaaa 420
gatgaagatc gagttctttg gcggcccagg tgtcaagcca ctgaaacagc aagtcctggg 480
gacttaagga tttcattctc cagcccagag cttagcagca ttaacgggag cacaagttac 540
aagcagtgtg cgggtgtccag acgagaacca tacagcgagc gatagagagt g 591
```

<210> 225

<211> 614

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891872

<400> 225

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acagaccatt caagagcact taattgattg aaattaaaga gaccaattgg catgggactt 120
ttaaaaatac aacttattcc ttttaagtta ttacttaaac tatctagatc ttctacatat 180
taaaatagaa gtgagaaaat agatcttttg aatctagagt ctagagtga ggctaaaaac 240
ctgatatgga attggcatga tcaatccaga ctacggctaa aatgcaagag aacagggtcag 300
gagttgatca aagtttcaaa atttgtcaca tttggtggaa aaataaaaca ctaaattgat 360
gtgcctgtga tgatcaaacg gcataatatt cttcagacca aaacatatcc tgaaatcttg 420
aacattcaac ttctgagctc atttctagct cccgaaagggt ggttgcaaaa tccaatggga 480
ttgcatctac agtgaggccg ctctctcact gctgacaaaa tactctgctt tttggcaatg 540
gcaatgataa acaagtagat gatgagaact cccgatgctt tttgagaatc aagggttgct 600
gatcttgaaa atct 614
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<210> 226

<211> 480

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891884

<400> 226

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ggtacaagaa gcattttccc ccaggttccc atccaggaag actgaggtct gaagggtggat 60
cctcttttcta tcccattctc ttactgggtg agaacagctc ctaaaataca agtcttgga 120
cctttgcaaa ttggcttgta aggagtatgt atctgcaaca tgtatggcct gcggcttact 180
caaacatgtc tggttacttg tccttctatc tagtctccac tccttctctga gatgagaggc 240
ctgtgttgct ggaggaaaag tggctggtag catttgctctg attcagtgc taaagaaatg 300
tgactgggag ccacagcctt caaaagggtga agctagggtt gctgtgtgtg gactcctagg 360
ccatcctggg ctacatggtt tcaggccagt tgacacagtg agaccagct ttacacaaca 420
ctttattctg caagcacagg tatgataaat ggggaagattt tgaatcctgg aactggttgct 480
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<210> 227

<211> 605

<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA891944

<400> 227
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acaatacaga ataatgtgta tgatgactat ataatacccc tgtacatata tttctgtatc 120
tgtacataga accagcaaag agaaaatcta catctgtgac ctaagacaca gaattcacac 180
cctgcttctc cagccaggct aacagtgaga tcacagtcag tttcctgagt gctggggcca 240
ggtttagagtc cctgtaacca acacatacaa ccttagaaga gctttaagaa aacacgcttg 300
ctttctcaca gtcaacctac tggagcggga tctgtgctat aaacgtgacc tcaagaatta 360
tttctgaata cccatgtaca tcataaggat gggaaacaaa gcctctgatt tcattgcaga 420
cctttcctgt gagtccatgg aaccacgtta acaaaagaac gagcaggcag aaggggagtc 480
ttagcagaac ttgggttcacc cccaatccca ctgccgtgag acttctcagt tcaacctatc 540
cttaccaca ccatataaag taaaccacc ttttacattt aagtgatgct ttttcataaa 600
gtacc 605

<210> 228
<211> 542
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA891950

<400> 228
ccaaacggtt ccaaatactc aactgagaac tttatttata cgttattaaa aaggaccggc 60
ttcttctgtt ggacaacaga gcccaaaact cctttccccc aagtccacta ctcacagctt 120
gactgaacat ttacccaagg cggatcactg tcaactgctat tcattcaaaa cagacagaaa 180
tcctgagtgt gggttctgag aagacagttg tgccctgtctt gatggtgaca atttacatcc 240
atggactctg ctttctact gagtttctga aggccaaggc tcaggaggac tgccttagca 300
acaaatggtt attcctctag tctgaagaca tgaaggtggc cgaggctccg gagagtgcct 360
ttgtgcttat catccatgat gccaacatgt cccgtgcttc cgttaccacg ctcagcagga 420
cctcagtggc ttggcataga ttggctccag cacatgatga gtaagaagca ggaagaggcc 480
tccaagaaag acagcactga gaaaagccag caggacatag cggccgatga aaaaggcatc 540
ca 542

<210> 229
<211> 216
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA891965

<400> 229
agagatccag tttgacgttt tattaggtcc agccctctgc tacctgagca gtttctcat 60
catccccagg gatgggcttc tatactcccg cccaagtgg ttccaatggt ttaggtagtt 120
aaagagctgg tagagcagca ggcgtttgtc gaaccctgga gcctttggga tcttctgatg 180
gtaggcagtg aagaatgatc tggggaaccc cccaag 216

<210> 230
<211> 487
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA892027

<220>
<221> misc_feature
<222> (1)..(487)
<223> n = a or c or g or t

<400> 230
ggaaatccaa actatTTTTTt aaaacaaaat attatTTTaaa tattatgaat ctctgaagtc 60
atgagactta tctctccaaa aggggaaggac ccatggTTtc tattTTTTt gcagcatttt 120
caaatacaca tgtcaatata tatttcataa actactaaaa aataaaaccc tttatcctct 180
gaggTTtattg atgtgtccta ggtctccaac acatctcatt aaacagtaag ttctattcat 240
cttcatgaat gaggtgggaa ctagactaaa aaataggatt ttaatccctg aggtgtcagt 300
taaaatgcag aggttgccaa gattTTTTttt ttcattTaaa aattagcttt aaataattag 360
catggatcat gctatctcaa tcaaaaccac ttcctctaca cggagtcctt tagaaaatta 420
cattttctgg gttatggtca acctgatgtc ncagctctcc agctatgaga cttTTTTttt 480
ccttttg 487

<210> 231
<211> 433
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA892112

<400> 231
cagggctaag gacctttatt gagcacacgg cccctgatgg tgctgacgga gaaaccttag 60
gctttccttc ccagcagcct ccgccacagt tcttggtga gtagtgctg ctccctccgg 120
gcgccctgca gcacactcct gttctcctgg gctcttcgga tcaggtagga tatcacctct 180
tccaggcagc cataggggat agacttatat accatgtatc cagcttgccc taatgccagg 240
gagacgtggt cacacatgcc cagaagttgt ccgaagcaga caggcccatc cagaggaatg 300
cccagctccc acatgctgca gaaaggtgca cattgtcaat ccagagagtg gctacagcgc 360
ctcgttgctt ggcgaatgga ttcttcattg tgggaagcca catgaggtgg caccgggggac 420
cgtggttgga cac 433

<210> 232
<211> 443
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA892128

<220>
<221> misc_feature
<222> (1)..(443)
<223> n = a or c or g or t

<400> 232
agacataatt aatgttacag taaaaatagg catttactca tatttgtctt gtttttagcca 60
ctttaatttc tttcatctcc cctcccccta aggttttctc aaagcacatt atcattttac 120
aaatacagtg ccaaggtcct gagtccactt tgcaagaatc ttcttcacat tcacggaaag 180
cagttactta gtgcagagtt ctcatTTcca cttaactgta cacggcttta tcggtgctga 240
gacactggcc cacctgctgg ccagtgtctc ccacttcaca cacctaaacc aagctcaaga 300

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caggaaggct gagccgtgaa gagcatcncc acancctctc cactggcccc atagctcttt 360
ccgccccctc ccagttgtcc tgagaaaaat cagatttgtc acagaaaact gacattccta 420
cattcatagg cagaagaatt tta 443
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<210> 233

<211> 439

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA892146

<400> 233

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acagctatta ggtgctgtcc acttttctgc acagaccctg aaccatgcat caacttattt 60
tctctgcaac ttacaataac tctctcagtg acttagctta acccttcaag tttctgtaac 120
tttctcttca tatcttttct ttatcttagc cagattgggtg gggcattttc cagcccctag 180
gagaccacc cttggagcct gggggcagac ctggagcact ccctaccttc aggggtatga 240
agagagcagg cagaagtgag ggccttctat gcgtgttggg accctttttt tttctggcct 300
ctagtaggat tccgtctttc ctcggtggta aagaagacct gtaacagtta ctaacaagca 360
tatcaaattg gatggtgaga aaacaagaga atcttgagaa tagagtctac cgaagagggc 420
atacagcatt tagtcacac 439
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<210> 234

<211> 632

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA892234

<400> 234

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cggccgccaa aatttttttt tttttttttt tttttttttt taggtacgag gctgacgcc 60
gataagtttt tattatattt aaaaaacagt ggagctggaa gtaagggcgg gtcgttgaag 120
gcgactgaga ggtgaaaggc ctcccgttcc tcagtggcag gatctggacc cactgcctag 180
gccgggttta atccagccga gatgctggaa agcagagcac acagttgtgc ccatcagggc 240
aaagagggca agagagctca cagctcctcg ataccgcttg ctagggtctc ccgtgtagta 300
gccatattgcg taaagaactc gcccaataat ccacgccacg cccaggccag aagctatgcg 360
cgggtggtaa acacctccca cggttaggaa gaataggaag ggaggggtaca cctccaacgt 420
gttctggtgg gcgcgtgaa tgcagttgaa catatgccca ttctcaggat ctgtgctgta 480
catgacaggg tactctacct tgtacttctt gcgggctttg cccacgttga tggctaagt 540
gagcaccatc acaaagctgg cggcaccagt gagaagcacg aatccatatt ccttagagag 600
gacagccatc ttggctctgg ctcaccttga cg 632
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<210> 235

<211> 637

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA892251

<400> 235

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cggccgccat actttttttt tttttttttt tttttttttt taaatcatga acgagttcac 60
tttgtttaga aacagtgtt accacgtcaa agcctcactt atgtgggaca taaaaataca 120
ataaaacaca cacaaaaaat tcagccacaa aatataaagt cagtatgctt gcgaaccggg 180
cctacacatt tctggtgtag cacattttca ttagtattct atgtaaaagg attcaggttt 240
tggtcacagc aatgggaaaa acacagctag aaacagtgtg tacactgagt tgatttatgt 300
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ctgcctatcc cacataaaca catctgctct tacgatctct agctggacac aaaagtcctt 360
cccaagagtc gggctgctg aacgtggggc tcaagtggag acaggaatga atctgatgga 420
tttggaagat ttggcgagt ccttccacat cccagtgtgt ttcgttgggc tccggttggt 480
agaataagaa gtctgtcttc ggctcatgct atcggagtca tccttggcga atttctgcgc 540
catgctgtgg cagcatggga aactttggac gcagtcttgc aggagatggc cactgaaaaa 600
catgtatata caccgggttc agcagctgtt caaggaa 637

```

<210> 236

<211> 606

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892345

<400> 236

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gcacctgttt ctgtgaaaga caatttattc atttgttctc agctgtcagc cacattctgt 60
gttcctagaa tcacagtcct ttaatccac tagaatcctg atttcacatt ggcaaacgcc 120
cagtgttttc tctgattggg tttcataagc accagtaata aagagtaata aaattaataa 180
aaagtgttca tcttaaagtc ctttgaatgg acagtgcaaa tcattaattc atcaaaccct 240
ggtgtgtggg agacaatgaa aaggttttta cgaagatact gatctagatt ttggtgattc 300
tgaagtgcg tcttggctat ctttatcctg gaaggagcag gatgccagag cagttctgcc 360
agctacacct cggttgttgg tctttctcaa gatttcttac catctttctg aagcctggtt 420
ctggtagggt ctgtgagtac caatggttcc tgtataatgg ttgctgggta atttttaccc 480
agtagttcaa cctccacttg ttgtccact tctactgagc caactgggac ataagcaaaa 540
gcaggctctt ctggatgctg taactgtagc ttccacatgt tgtgttgcca atcagcttgc 600
ccttgt 606

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<210> 237

<211> 719

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892373

<220>

<221> misc_feature

<222> (1)..(719)

<223> n = a or c or g or t

<400> 237

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atacatttaa taggataata tcacataaaa taataagata ggcacaaact aagaaggaaa 60
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aactgagatg actagggaac cattctaaac ccacccaac ctagctaaag ttacataatg 180
ttaggactca agtgccaaat tagatattac ccacttaatc tacgagtga aaagagactc 240
caaaatttat cctatttagt ataacaactt ttacatgaaa tatatagcaa tttgtatctc 300
agaaagcaat acggcaactc ttaggcgttt cttttatgca gtgactagaa aatcttggtg 360
cagctaggca gctctgcgac accagtaagc tgctcagggc tagcatagaa cagcttgata 420
gagagctaac ctctcaggtt tcagaaggca gcaataattc tattttggct tttattctaa 480
atgcttactg tagttaaggc gacaactgaa gcacattaag tgaaggtagt tagaatttag 540
tgacaatcat tagtctcttg ccacctacac agaactgtat aatgcttttg tggaatggaa 600
gtgttgatta actggaattt tacacactca cacacaaact taanaagtaa cgatcaaagg 660
caatcatcct acaggtaacta tgctgatgta ctacaatcca catatgccac agaactgaa 719

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<210> 238

<211> 591

<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA892395

<220>
<221> misc_feature
<222> (1)..(591)
<223> n = a or c or g or t

<400> 238
gcggctgtgc ctcttctcta accaaccccc ggtaagtatg tttgttaaaa tgcccttctc 60
catccttccc ttccgagctg ctttgctcag tagtggctgt atgcatggaa gactgacctt 120
ccatgtaaag cccgttcttc tcttggtatg atgttctgga acacggggaa ctggaggtgt 180
tcggagacta ctgggtgacg tgctcatact cgcacttcaa cagctgattc tgcttttctc 240
ctgtgtttat gattcgcata tgtggtgttt tcaaaagtgc aatcaaagtgt gatctaattt 300
ccagggtcga ctgaagcctt tcaggtctcc aaccaaataa tttaggacaa ctggagcctg 360
gctggtaggt gacggtatct agtaggtgta ggaggctttg aagagtgact gcgtacaatc 420
agcgccgtgac gagcccggtgt gaacatactg tccttgggct gcctggcagt tggccacagc 480
ccgcttcatg aaagcttctt gngttgcctt cttgtttgca gccttgccgc cccaagcagc 540
caatgcactg gcctggaggg ctctgccgta tgaaaagctt agcctcgtgc c 591

<210> 239
<211> 498
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA892425

<220>
<221> misc_feature
<222> (1)..(498)
<223> n = a or c or g or t

<400> 239
gaactctaac aatgtgatag gtgccacaca aaacattaga cacagtatct gcccggtggg 60
cgtacaatct aatctaagga cacagatcat tttttgaatg ttgccatgag ctttctgttc 120
atgagaatga ggtattaagc gcaccgttca gtgcaggaaa ggaccacac aatcactgac 180
ctttcaggac ggtttgccta cataagtaca accaactgct catgtttctt attcttggga 240
attatggata gtgtttttcg ttcattttat gatgagcaca acaatctata aggacagaat 300
cactaaacct acaaacttga caaaaccagg gttcaaaact ggctctagt ccaaaataaa 360
attgttgtat gttcagaaaa tcagctaaag taggacctag agaaagtgtc aggagccatt 420
tttgttcaga gtcnccctac tgtccanaca gtctctctcc tcaaagcagc tttcaaagtg 480
ccctttatct caagtctt 498

<210> 240
<211> 583
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA892506

<400> 240
accagaaaat aaagccgttt tattattttc gtcttatcca ccatatggcc tgagggttgg 60

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ggtgggagca gagtaaatgg ctggccccag atgaaggctc tggagtcttc tacttggcct 120
gaacagtctc ctccagcctg tccaggcgct cttgaagctt ttgcaactatg gcgttgagat 180
tcctcacatc ctccctccagc cgtgacacgg tgtccgagct aagagtgcta ctgggctccg 240
gtgtagctct tctgcgagca ctgtccagge cctgtttgac tcttagctcc ctgctctttg 300
ggggcacgta gccatccttg agggaaatga ggagggggcc agcatcacga ccgctcagcc 360
actcctcagc tgtgagggcg gggtcgggct cggcagtggg tggatacagg tcctcctgga 420
acaggctccga ctttctagge actgtcatgg caataggctc acatttcgc tcatgaagct 480
tatagaatct ggcaatctcg cacttattca cttccaggcc acgtttgggc atgtagccca 540
taccacgttg agactcctg gaactgaaca tggaaagata atg 583

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<210> 241

<211> 547

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892520

<400> 241

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gacacagaca caaaggcagc tgtggtaatg ggggtggggga cacaaaagca aaaatcacac 60
ttcctacatg gaggcctcaa ttagacaaga gagaggctgg gtccctcccc tcacactcct 120
tctgacagtg gctggagtaa cagctctctc taatccaagc tcagaagcag cagggtgacc 180
ccacctagcc tcaaaggctc ccactttggc tccagaagcc cctgtccttt taaccagccc 240
agtaattccc ctaccgagc tccttctccc ccaccagtgt aaacagagtt tggggctgaa 300
caacagagct ctgggaaggc aggagcctcc tagatagcaa agggaatgtg cttggagttt 360
cacttcgggc ccagaatgag acccagcagt gtctcccaga actcgggctg atccagtata 420
ctgcctcttc attctccacc actgacagag ataggccagg cccagacca cagtaaaaac 480
aattgatccc cagaggttag agctactccc taccctcgac ccctggcaca tacacagatt 540
tttggca 547

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<210> 242

<211> 524

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892553

<400> 242

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aatcttatgg cagtaaaacg ccagtaagca ctgataccag gactagttag gatctttcca 60
gaacgtccaa ctgtggtggc aacatcagtt acattgggaa agcaagcctc gagacagtgc 120
aatcaatgag ccccgccag ggatggggct ggcttgaggt tctcaacaag ccagtcttct 180
gtgctcactt acacttcaga cacagaaatc aactcagtct tgatgtatcc agttctctta 240
gggtcatcga gctccatcgg ttctggtgct tcctttggcc tggagtagta cttcccgaag 300
gcatggtctt tgtcaatatt gggatacaga tacttcaggg gattctctgg tatattctca 360
gcagccatga ctttgtaatt gcgaataata tctgggaaag taacagctga aagttctttc 420
ttcgtgtagg gctcaacagc atggaagtcg ggttcacctc cattttggga ccgttccacc 480
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<210> 243

<211> 465

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892561

<400> 243
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ccaatagagg gcatcagatc ccattacaga tgggtgggag ccatcttggtg gttgctggga 120
attgaactca ggacctctgg aagagtagtc agtctcttaa ccgctgagcc atgtcttcag 180
ccttttacgg gaaaggtaaa tggctccttt gttaaactctg ggcagtcgac cacagagacc 240
tggacatgag caaagttgtc ctttagcccc ttctgcaaaa cttctgcgag ctctctccaga 300
cttggcacgt ggaaagaaaa ctcaagtcaa gccattctct ctctctcag caactcagac 360
acagcagctg ttggctgacc tccaccagag ttcacagggc accagcgtga acagtcctctg 420
ctcttgtcac ccactgaata aggtgtttgt aatcttccgt tagaa 465

<210> 244

<211> 658

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892598

<400> 244
acaaacactt tttattttgt ttttaattta gaacatgata catattcaca agattttacac 60
tttatatcat accaaagcaa tctagaaaca ctgtacagag cacacttgaa catttagaag 120
gctatatata atctgtggta aagtcatagg catcgtcttc ttcactcatt ttatccaaga 180
taaaggatct gtcagatggg ttacttgctg ttgattgcc aggtgacatc tccctgggtct 240
cttctacagg agtcacatct gagatctctg catttttttc accagtaaca tgttcttgat 300
catcaccatc ctgttggtct tctgtctgtt ttggtgactc ttcggggatg tccttttctt 360
ctagtattcc atttgtcagg cccgaagacc ggaaaaggat tttattagtt aaatgagggc 420
ccttgaggac ttgtatgctg tgtgcattat tcttttctag ttcttctaga tttaaagcccc 480
tcttcattgat tgcgtgaata ttctcattaa aatgaggaga atgattccag gatgcagggg 540
gatggcagta gtaacctaat gaggcacctg tccactcaga ccatagcagc ttagcagcac 600
tttcgacatt tgggcttcca cttttttggt gcagacctct tctctgagca agtttagt 658

<210> 245

<211> 476

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892602

<400> 245
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gtctatggag ttgtgcaaca aggaggtggc tcaatctccc tcacaaggga gactgggtgt 180
acggggtagg gcaagggttc gtacaaggtc aagttcccac tacacaaatg ctttcatggg 240
tggcctccag ccccataagg attcccagca gagagaccac tccagcactg cctgactgaa 300
agctaccag ggatggaggc atctttgata ctgggaagat tctcaatgcc aaggacacac 360
atctgtgctc ctggaaacat ggtcttacag cccagaagga tcttagacca gtgcctctgg 420
actgcagtct gttcctctat ccacagtttg cctcttccct ggggtctgaa ttgagc 476

<210> 246

<211> 487

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892666

<400> 246
aagggtttgtt ttttaaccgtt gtggatgtgt acgtgtggag gtgtccccgg aggctagaag 60
aggggtgcttg ctccccctga gcctggcatg ggtggactct ggctcctctgc tcttcactgc 120
tcagccatct ctgcagctcc ggagaagaag gctctgacag gacagggccc aaaaccctgc 180
ttgtccttca gtggccctag gaatgcttag gcagactgag gttaggggac agaaggggaa 240
cctgaattct catagctcaa gacctgggta aaacttctgc gggggtagtc tgaggtaaaa 300
gagaaggcag gaaaacagtt ctgtcaagga aaggaaggct tgaagaaaac agacacaatg 360
gagccaggac ggagaggtgg agcctatgaa gtcaggagag tccagaggac cacttctcta 420
ccaggagcag accttagtga tgacagagaa cagagctggg cgtagacac agcctacagc 480
cagctct 487

<210> 247

<211> 503

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892821

<400> 247
aggtcggacg cctgctttat tcagacggga aaagagcagg gagtggatgg agaccagcag 60
aaaagaccac actaggtcag cactgggcaa ggagtggcca ggggtgtgact ctaagagttg 120
gcagaaaagc cctggcgtct tgagtcacga cagtctatct gaagtagttg ggacactcgt 180
gggcgaccac gttccaggct tggttaaagg cctccacgac agcgggctcc aggggacctt 240
cctcagtggc cgccaagttc tgctccagct gctccaggct ggacatgccc aagatgactg 300
cgtcccctcg ggtgccctgg agctgtgagt gatggtacat ccagcgcagg gcagccgagg 360
tcagtctggg ggcactggg ccatagggtg tcttcagggc cttttctacc agggcaatgg 420
cctcaaagtg gtgttccttc cagaagcggt tcctgtaggt ctcagaccag ctattcccaa 480
agaagcggcc ctcgggctgt ttc 503

<210> 248

<211> 644

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892851

<400> 248
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atactgtaaa caatgggtta ttccctaaga caaatgcata cgtgattctc agcaatcatt 180
ggtttgatta ttagtaggtt acaaggcac atctctgtgg aatgtcagt accgctgtag 240
tgtgacaggc ttcagcgcatt cattgcacac actgcttcag aacagtcccc accgggtctg 300
gacccaggac gcaaagcacc ccctctgctt gaaacggcag ctctggaagg tctgcgtcac 360
agctccaggc ctctcgtctg agcactctat gggcacgtgt gatgacgtgt acacacgcac 420
gactaaaaag tttacctctc gtaaacaaaga gcaacattac cgtcaactct cctgcatatt 480
taagtagtaa agtctacgta tttgtaaaca aacaaaacac acaaacttat ttttaaaaac 540
ttccatcagc tcgtaattcc tctgtgatct aagtgagtc acactgaatt tctgaaaggc 600
gcatgtatta ccttaggtaa taaagctctg caaggggtgc ttca 644

<210> 249

<211> 515

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892861

<400> 249

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caacattaaa atagatttat taattactgg tgaaaaacat gatatattat aaccaagtca 60
tatactttat tgaaaagaaa aaaatattcg gtaagaagtt tggcacggtc ttctgctggg 120
acctgtgtga aatcccagga cttgtaggtc ggggctgcct tcgtgagggg tgtcaatgca 180
gcccaagaag tgggtaaagt aggaagtggg ggtcaaagaa aggcaatcaa gaggtctgct 240
cacaggggcc ttttccacg ttcattgact gtcaggctgt atcctgggac agcggggagc 300
ctcggagagt taatgagaaa cagaattgtc actttggcga ccaatgtcag aaaacaggtt 360
cctgggtcaag cgtaggtac tagcgaattc tgaccctgag acttgagggtg tcaactgtctt 420
taaactgccca ggcattggag gaagtgtcca aagatgggac ttatagagag aagtgggtccc 480
ggcttcctgt agtctccatc tcaccagccc caggc 515
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<210> 250

<211> 533

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892888

<220>

<221> misc_feature

<222> (1)..(533)

<223> n = a or c or g or t

<400> 250

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ctgttcctct gtagttcagg atagagtgtg tgggtggggg ggaggctgag gtggccaagc 120
aaggataaca tgccaagggg gcaccagga gaacgttaca atgctgtgag acacggggca 180
tggctggaag gacacacaag ggcgagagag agagagagag agagagagag agagagagag 240
agaatgaatg aatgaataaa tgaatgaata ggggtcctaa aagggttggg ttgggtaagt 300
ccagggcctt gcagtctagt tttctgcctc aagagagcag gaagaaagcc tcaactgtgga 360
gaaaggctga agctgattaa tgatcacccc ggccgtggca gcggtgctga gactctctgc 420
tttacctgac cctccttan aagtactggg gtgggttctg gctgcacatg gggagatcag 480
atggccttct tgggggagag ttatttcaca gttttcccca tgatgtgggg ccc 533
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<210> 251

<211> 541

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892916

<400> 251

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ggccgtaaaa gggcatctct aaaacacccc tgggcagggtc caaactcgct gggtcaccca 180
attacagtgg agaaggcagt cacagaaaga aacccaatga aatcctcctg gccactaaat 240
gggagtcttg aaaaccctct ggcattgaaga gacttgtaga gagggtgaga acaccctttt 300
actatggagg aaaaccagga gtccaggtat tctcacacat ctgacatggc ccctgagaac 360
aagtttcagc ttgcataatc cctgcatcaa cacatgcatt accactaaaa ggagtcccgt 420
tgggtcctac ccgatgccc aggggtctcc cacaggtagg ttcattcatc cgggttttgc 480
aagggtccga accaaaccgg gcgatggtct ctatttctcc attctccagt tttacaactc 540
g 541
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<210> 252
 <211> 603
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AA892918

<400> 252
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 ttattaacag aatgtagtgg tgtattatct aaacagaaat cgtgctgatg tgccataata 120
 aactattagt aaaaaaatac acttttagggc acagcattgt atcacaaatt ttacagaagg 180
 gatactttgc aagaatttaa tcaaactaga gtaactgtat cttttaaatg cagcacttaa 240
 aaatgtaaca actctgtgca ttctttttct taaaaaaatg accttatatg tgtagaaatg 300
 ctgctttatt gctgcagagg tcaaagttca aggctcaaga ggtacaggag agaatacaaa 360
 ggtagcctta gaaactcggg tctgtttatg tataaaaagg taaagtttat aaaagttaat 420
 ttacaaacca agaacaaaag tggtagcac gcattatgta catgcgtcct gaacacatca 480
 aacatctcag atgcatagcc caaagaacag aagaccacca accactctcc cttgtcaaaa 540
 aaaaatattt taagtcacac cattaatttc ttccagggtga tttacacatt tccgaaacca 600
 tca 603

<210> 253
 <211> 441
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AA892950

<400> 253
 cgaagaaaga accaaaagtg tctactgtat aaatacaaaa ggccaaaacc gtattaacat 60
 aaggtaatga actaacagag actgtccatt agagtgcgga ggccctatgcc ttcccagctg 120
 acgccaggta cttgaccagg aagtctctca gcctggatat gtgcatcatc tccttcacg 180
 tgggtgtctcg gcttcgaagc tggatcagcc cactttccaa ggtgggttca gtgattagaa 240
 ccgtgaagag gatactcatc tcatcgtact ttgaatagag ttgctctaata gaggactgtg 300
 cagtttccaa ataaccaggc cacacagcaa tcccattttc tagtaactca ttgagtagcc 360
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 taggggctaa acaagggtga a 441

<210> 254
 <211> 496
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AA892993

<400> 254
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 ggcgtggggg aaggggctgt tggactaccc caccctacc ccggcgctgc ttggttagcg 120
 cctgccagtg ggggtccagtg gctgtatggg gagggtgcta ggggtcctgct cttcatcagg 180
 ggtggcggtg gggatatctga gtccggaggc catggttctt ctgttcttga cccactgtac 240
 tgtgaccctc cctgtgaggc aggcaggtct tccgggctct gcaacctggg ttgggggttcg 300
 aggttaaagg gatgcagttg agatttcatt tgaggggggt ctggagacct caagggtgcag 360
 cttcttcctg agcgggtgtg gaggggctgc tcccggtcca agaggcctgt cacagggtgct 420
 cgctgtggga cagagggggg gatgaagacc tcgagctgag ccatactctc tcttcacccg 480
 ttctctccct cctgca 496

<210> 255
 <211> 482
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AA893000

<400> 255
 aaggaaacaa atatttcctt ttatttgagt gtgttacatc tactcatggg atagtcataa 60
 aaactgaaat ctttaattta caggactata aatgatgcca cttaactgag aaccagccag 120
 caaacagtag catctgaaga ccaccactcc tggagggttc cccacaccaa gtcagcctag 180
 tagtgactac agtagattag gagctaggag tcagaagaac aatgcttgag gttataccaa 240
 cgggggtttc cttactcctt tgccagctgc acattggtag gctttgctcc aatggggatc 300
 ccatatttgt gcaaagtgtt catcaaaatc tccctcatgt cgttgttgta ggaatcaaag 360
 tcaaatacat tccgaaccac actggagagg ccttcagtag ggaatttctc taagtgtttg 420
 acaatgttga caacttctct ggtagaataa ggatagttga taatcccttg gtcagccaat 480
 tt 482

<210> 256
 <211> 367
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AA893032

<400> 256
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 acaagggtca tttttggtcc aagtgtgtgt aacatttttg agggagtgtt aaggcatttg 120
 ggtctcaggg tttgttagct tgccctattg ccttcttagc cagcagttct gagcaactct 180
 caagctttgt taccatctga ggtgcatctt ctttctgtgt acttctattt ctaactcatt 240
 gttatgtgtt tactctctgg tctcccatgt agagtactca ggaggatttt cttgatcttt 300
 ccgctccatt gagaacatct ttaattgtat gaaacatcgc aggttgtctt tatctacaga 360
 gtaaagg 367

<210> 257
 <211> 424
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AA893080

<400> 257
 aacttctgac aactgtttcc acatgtctgc tcatectttg gccacagac ccacgtgcta 60
 aaagtgtcct ccaagaagac atttcctata taaacatggg tgtgatgtgt gccacacatc 120
 ctcaagatga cagaaccctt tgcagataaa attaaaattg aatctgagtg agaaatgacc 180
 ggatttccca ctttggtgaaa gatcaggcag cagcctcccg gcagccatcc ctgtgttaga 240
 gacagggtga gctgtgacct ctgggaacaa ggcattgagac ctctgtctggg gaccatcagg 300
 ccaggagggc aggtgggcag tggcaggctg agggcagagg agaagggcag ggcagcatgg 360
 gggaggggtg ttgtctgtac gtgcacacgg gaggccatgg gtggagacga aatcaacttc 420
 ctat 424

<210> 258
 <211> 479

<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA893082

<220>
<221> misc_feature
<222> (1)..(479)
<223> n = a or c or g or t

<400> 258
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tcaccttaaa actgtgcagt aatgccattt tataactgca taaattttat tagcgttcta 180
aacagttttg cgattttttt ttgtatttat atgcttgcag gttatatctt agtgcaattc 240
agtcccaaat actttaattt tggaaaaaaa acatacagtt tgaatgtaa atacccttac 300
agatataagc aggggcgttt ccccttttta atactttggt tttcaatata gtccacggtg 360
tagcaagaac tacacatacc caacttatat ttaagttgca agcacatgct tcagaagcta 420
cttttaaaac agtcnccttg caaactctac ccccttaac atcacaacag taaacgatt 479

<210> 259
<211> 413
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA893189

<400> 259
tgctaactag tgtaaatatt atcacatgaa aaccaacccc ggattaacaa aacaacctta 60
tgattagaca cttaagacct cgattttttg cttaactaga aatttacacc accagaagtt 120
cctgattaaa atacagaaat ctataaagct ggcgcaggac gtaaacctga ttggttcttc 180
ccagaggccc actggtcgga ccgctagcca cgagtcctcg ggctctcagc gcagtgtgac 240
cagctcttct gaagaggtag gatgaatggc gaccgtattg tcgaagtcgg ccttggtggc 300
ccccattttc actgctacag cgaagccctg aagcatctca tcgcagccaa tcccctgcat 360
atggatgcca accaccttct cctctttggt ggcacaaacc atcttcatca cgc 413

<210> 260
<211> 643
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA893242

<400> 260
aatgccgttt atccagtctc agaggtagcc cttgaaggga agaaactttt gatttgacct 60
ttttttctaa gatttttggt tcaggacctg aattaagaaa aatcaaaaaca aaacaaaaca 120
gaaaaattaa gagatgattt tttctttctc ttgaaagttt aagagagatt ctcaattcat 180
cttttcatga ctggaacttt ctaagacaaa ccacaaagcc atataccaag cagaaatcag 240
agaacgaagc ccagtcacca tcagctgcag gtggaacca cggagaagcc agcacagcaa 300
gtggctcatg gttaatacct caggtctggt ctgagaaaag atgccgatga actgctctga 360
gcaaggtttg aaacccttct ggatcagcgc cgagcctatg cactcagcca tttctgcaac 420
ctgtttgtaa gaaatccact catatggctg gtttggcttt ctagaacctt aacaagggcc 480
atcatttgac acctgaatcc cctctggaa gccatcgta atcgttctga catcgctgta 540
gtagtacagc aagagcttgt cgtcctcaag gactgctgat cttcggaac cctcagtagt 600

accggttact ttcacagact gcatggacag atcacatggg ggc

643

<210> 261

<211> 540

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA893246

<400> 261

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aaaagtaggc atagagttga gtccacagta acacaatggc tgcacagcct cagacaacag 120
tgccaaggtt tacaagtggg taggaaggaa ggctgctcag catttgctg agaccatgaa 180
tgtttatagt aagtatttcc taaagtttta aacacatcag tcaaactagt gttaaatagga 240
tggtatgact ctttctactg ggagattctg taagtgtctg gtgggtttta caaatctcag 300
gttgctgaat tatgatgcag gaaaaatggc ctccacacag attctgataa atcttacagc 360
cagatgaact cttctgccaa aataaatacc cgcacatacc gaacctgcac actgagttaa 420
atgatgctca gcctgaaggg agcagcgggc agctactcga acagcagggt ctcgtccttc 480
tcttcgccca ggaggttggc gggctccatc aactctccag ctgctctccg ccgctccaag 540
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<210> 262

<211> 512

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA893436

<400> 262

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aacaaatatt cagtgtgttt aatgccacct caaacaaga caccacccac agagcaatgt 60
gaaaccgaag gcaacacatg acaggctcac tacatttcat caatttatac acagaaataa 120
aaatccagct accaagaggt cctctcccag agtgccgggc gcctccgcga cattctcccc 180
tctccctcag cattcgaacc ctcttactaa gagaggtagc ttgtgccag gctctattcc 240
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cccacttctg tcccgttcct ctttttctct tgcttagaac acaaaagtga ccagcaggcc 360
actttgtggc ctcgtaaccc aatattcaaa gccatcgtgc ttctgatctg aagtgttttc 420
tgaaggttgt ggtgttcagc tgataaggcc ttctgtaact gattggatca ctatgcaatg 480
aaggaagggc tcaggcttcc tcagcaagtt aa 512
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<210> 263

<211> 466

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA893453

<400> 263

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gagctcttaa attcattgaa aaccaataat gggagaagta aaaccctgaa aaggtgcgta 60
tagtgacagt ggacagtagc catttgtatt ctgaatgcaa agattcctgt caatatgaaa 120
agttcgggtc gatgttaaac aaactacaaa aggtttgaac aggtcgtcga caaaagggtat 180
ttaggttatc agttaccatg tgaaatattt tcattgtcgt aacacaccag agaaatagaa 240
taaaaatggg ggacagtatc actttacacc tacgagaatg gctaaagtca aaagaatcga 300
catgcggcct cctgcccccc gcagatgtac aatgtttaca cctgacacac acaggtcacc 360
agagtctggc ttcttttcat cgaatataaa tacctgcttt cccaccacc aacaaccaac 420
```

cagcaaatca gtgcccgtat ctacttaaag aaagttaatg ggtgct 466

<210> 264

<211> 410

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA893454

<400> 264

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tcagtgggca aagtatactt tagacacagg gaaggtgggt acaccccacc actgacagac 120
ttagaagatg catttgggta cagcatggat gatctctggt gtgacatttt ctgacgtctc 180
cataagacac tccccatgag tttctattta attcgcttct aagaaacttt ggaaatttca 240
aaataagtgg atggtcaaga ataaaaaaat atgatctttt ttaagctgtg tgtataatgt 300
gcctggtaag ttagaggga atgagttttg gaaagcaggg tttatgtggt ataaaaatac 360
tgttcattta cctaagactg ataataaatt ttatggttga ataaaactta 410
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<210> 265

<211> 434

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA893485

<400> 265

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aaaacataac tgagctaata tttttcaaag gattgtaaga agacaatgac ttaaaaagaa 60
aataaatttt ctgttatact aatacatagt gaacttatca agctactgta atactgtaaa 120
tagtcatgct tgtcaggatc tttctggaag gacatggcca agcatgagag ggtggggggc 180
atccatgcag tcattctagg ttagttgagg agtaggaaat tgagagtact tctcgttttg 240
atgcgaaggc ttctcaaate atgaagatca ttacaaggac ggccgtaagt gagatgaatg 300
agcctataga ggagactgta tttcatgtgg tgtaagcatc tggataatca gagtaacgac 360
gaggtatccc cgctaatect aggaagtgtt gagggaaaaa tgttatgttt acacctacaa 420
atataatggc aaag 434
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<210> 266

<211> 656

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA893495

<400> 266

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gcaaaaacat cctttaataa ctgttacctc tttctcagtg ctcccttctc aagtgacttt 60
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ggagaccctg agaagactgg ggaaaggctt ccatccctca aagtcagatg gcaccaaggc 180
ttctcaggac acgttcttag gctggattga ccacttggct catcatcagg ctgctccatg 240
tgaacttgtc aaagagcagg aggatgaagg gcttggtgaa cttgatgtca agtggttcag 300
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aatctgattg gttggtgagc aagtccttaa tgttcagggtc ttccagcacg tctttaagg 480
cataggtatc agacatggag aatttcggga tgtatagggt cacctgcctt ggggtcataa 540
gcttgcccca cctatcaatt gtgtcccgac taagtgcagc gatgacagtg tccatctggc 600
cctggtccgg aagaatgaag aaggcagttc catttcccac atagtccatc tgtatc 656
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<210> 267
 <211> 630
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA893552

<400> 267
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 agccatgggt gcagagttat tcatatccag gcctaccag tcacgttctc ctgctggtaa 180
 cagaccacct aatcctaggt ctgctatgct gtgggggtga ccaccttccc catgaagagg 240
 atatcctggg agctgggtga atacaatat accaagaagg gccggttgaa tataaggtaa 300
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 tcctttttgc tgatatttga gaagttggca tttgggggtga acagatcctg gaagcccaag 480
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 ggggacagca cctgctccac ctcatccaac 630

<210> 268
 <211> 485
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA893667

<400> 268
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 tgccgctcca tctaccctg gcagcagcgt gtacccctg agggcgggct ggtcagctgg 360
 ggcactctgt tcagtccagg caggcccatc agaagccaaa catcatgtcg gcaatttggg 420
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 ttttg 485

<210> 269
 <211> 407
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA894027

<400> 269
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 taaggaaatc ttctcagaac atctggtaca gaacattctt tggttatggg atgggggtaca 180
 gctaaattct gagaagcaga cattggaacg taagttttac agtaaacaga gcctcgaaac 240
 gactcctggc cttcaaattg acttgaactg gtttctgact catctgtctt atgtgttctt 300
 gtcacataag cctcttggaa gctaacattt ctggctattg taatggctac tagtggcaag 360
 catttttagc ttctttattt gtccgtagac aagccttgtg aagcgct 407

<210> 270
 <211> 511
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA894233

<220>
 <221> misc_feature
 <222> (1)..(511)
 <223> n = a or c or g or t

<400> 270
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 ctctgtgaag ctctgacatg gccagcttcc tgcagacagt tgatcctgcc ccaacaaagg 180
 gtgagcttgc tgggtggcac ccacgacagc agagccaggg gcagagctgc cgggtgagtgg 240
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 tccaaatggg gatggactgg aaatcccacg gaggtctgta tctcaaggac tcttgccacc 360
 cataaccaga ggccaaggcc aaaagcaagc agaaagaagc aggggtggtaa cctggaaatc 420
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 gccacaggtc tctatcctgg gattcctaaa g 511

<210> 271
 <211> 473
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA899045

<400> 271
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 atgcctgatg tggtcagtga tgaaggttgc gatgaagtag tagctatgat cataaccctc 240
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 aaaaaacccc gcaccagtgc cgaagtccca gctgtcatct tctcctttaa tattgcagcc 360
 acgggggctg gtatcaggag caatgaccac aaggccatgt tctgaggcag cttgttgaca 420
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<210> 272
 <211> 477
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA899113

<400> 272
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 ttcagaatat ataagtattt ctcatacaga aataagcatt ctgcattctt tggtagagaa 120
 atcacactat acatgtttgtg tgatcttttt tcttttttct tttttttgga gctggggact 180
 gaaccaggg ccttccgctt gctaggcaag cgctctacca ctgagctaaa tccccaaccc 240
 catgtttgtg gatcttaaag aaataaaatc acttttgacta tgtcaaaact agtctttgcc 300

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catccatttg tcccctacca cagctcccag tgagagttct agtcacagca atgtatcgac 360
acagacatca catcaaagat acttcaaact cctatgtatc aaagtagtac atggcttgaa 420
gacagatggc actaaatata taaaacacag tacagataaa ctggaacctt aacacta 477

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<210> 273

<211> 536

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA899195

<400> 273

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gacgtgtatc ggtagccatg aggaaatctt ccagagctca gtctctcact gtcgcccagc 180
tgacaagcac aagctgtggg ctccatccgt agtcctgcat aaagcaagca ggacacacac 240
ctgtgaccct agtactcggc aggagagct gggagggagg tcaggagttc aatgtcagcc 300
tgggctacaa gagaccctat tctcacagaa gaaaaacaca gagcatgttc tagcaaaggc 360
taaggcacgt ctcccacaag tggaaagctg gaacatcagt gtctcggcga cagggattct 420
cctaattcca ttagtgaagg gcgtctcaag tcagctggtc accggagcca tgggtctctg 480
acacagtgtc ttcgtttccc actatttcat tgagcttcac tgggtctgtat ttttca 536

```

<210> 274

<211> 472

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA899256

<400> 274

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acaccgattt aacaacagtt ttcgaaaatt cacagtcact gttggctttt ctgtagtggg 120
cactttcagc gccatgaggc agcggcacat gttggcataa gccacagaga agttgggctc 180
tgaaatggct ttctcgaaga tgaggccaat gactcctttg aggcgttcct ccgtgtcaat 240
ggccagctgt gtcacctgct tcatcagctg ctgaaacatc tgggggtgtca gcttattcaa 300
gatggagcgt acccttcgga acaggctcctg ggtcttgctt ccgtcagcat cctcctcccc 360
tcgateccta tcagcggctg tccgtttgct actgggtttc cagccttctt ctgctttggt 420
cagttttatg tcttcagtca ttatcactga agaaatgatc ttgcgagttt cc 472

```

<210> 275

<211> 343

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA899498

<400> 275

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actggctggg tttcttagct tctcacaccc aagccctaag catgatgtta ccctagatct 120
taaaggccaa ggagagcccg tcatccaggg gcaggaggct aatgtagacc ctggcgctcc 180
gcaggatgcg ctcgtttagg ttccgcacac attcaacagc cttgttctgc gtccaccacc 240
gctatgtcga aggttccggc ctgcgccgcc gccaggagct catccaaagt ctgcagggcg 300
ggctgcagcc gaaggtcgat cttctgctcc acttctgect gct 343

```

<210> 276
<211> 333
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AA899635

<400> 276
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cttggttaatt ttatccccac taactgtgat ttccgatagc cggctctgctg atagtggtaa 120
ggccatcgaa gacggaaatt tggaagaaat ggaagaggag gtacggctga agaagaggaa 180
aagacgaaga aacgtggata aagatcccggt gaaggaagat gtggaaaaag caaagaaaag 240
aagaggccgc cccccagctg agaagttgtc accaaatccc cccaaactga cgaagcagat 300
gaacgccatc attgatactg tgataaacta caa 333

<210> 277
<211> 470
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AA899721

<400> 277
tttttttttt tttttgtcta taatgatcca atttttatatt tttgtcttaa taagaatggt 60
tatacttaag gttccccctt aattcatgat acaaaagaac tctatttttg gataggcact 120
attttttaaat tacatgttat ttgtgtgtgc atgtgcagggt gtgtgcgtgt gttggaggac 180
aacttgtcag agttggttct ctctaccat gtagatcctg ggggaaagac aatctcaagc 240
tgtcaggctg ggcagaaagc accactatca ctgagccatc tcaccagggt aataggcaca 300
gttttataag gaagttttaa tttctttgtt gtcttatagc actggagaat gaattcaggg 360
cactatagaa gaaagtcaaa tgcattgccca ctaagctata tctcagttct ctcacaggca 420
cttaattcat tatattaaga aaaaaaaggg ggggttgagg atttagctca 470

<210> 278
<211> 344
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AA899797

<400> 278
tttttttttt tttttttaga atggaaaaag agataaattc atctttatatt gaagataaca 60
tgatctaaag aatctgtttt taagaagctg agaaggtaat gaatagatct gactactgca 120
gggcataagc catactcaaa aaattaactg ggggttgagg tttagctcag tggtagagcg 180
cttgccctagc aaacgcaagg ctctgggttc ggtccccagc tccgaaaaag aaaaaaaaaa 240
aggaaaagga aaaaaattaa ctatattctt atatgttagc acttgaaaac tcaacatagc 300
caggcactgt ggctcacgtc tagaataata gcactaagaa agct 344

<210> 279
<211> 426
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AA899847

<220>
 <221> misc_feature
 <222> (1)..(426)
 <223> n = a or c or g or t

<400> 279
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 tgttacagtc ttgagtatac atatagacag gtctaagata tggcaattgc cctccaagta 120
 cttacagtga acttttgaga tcacacagat agacaggtag acggatagac acacacacac 180
 acacacacac atacaaacac acacacacat acaaattgtc atacaagaac tataaactgt 240
 taatcaaaat tatgaatgat aaggattaa caatttatat attgggaaat ggagganggg 300
 aagggcagga aggagtgatt agagaaggct caatgaagg gatgacggtg agcaagttct 360
 ccaagcatgg ggatgaaatg gcttcaggt cagcataaca gcttgaacc aagtaatatg 420
 gtggaa 426

<210> 280
 <211> 351
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA899964

<400> 280
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 acatcggttt ctttagtaat tctaagctga tacaggttcc ccactaggag tacacatggg 120
 gagtgactgg gcgcgcggtg acagtgacaa accagtgagc cactgtgatc catagaaagt 180
 tacattagca atcaggagag aaagggaagt gtgaggtggc ccataggcaa gatgtgagca 240
 gagcacctgg acccttcctt ccctacatgc agtgcttggg cctgctgac gggcacagtg 300
 accttatgac ctatagtaag tggccagcct ctgactgcta tgcattgtca g 351

<210> 281
 <211> 480
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA900009

<400> 281
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 aggaaaaaaa gaatcacaca tacagttatt ttaaaaagt aaggttaatc ttgatcggtc 120
 ttgaacacat ttaaactgtg aggccttgct tactcaatct tcagagtga acagccagaa 180
 tagatatcag cccattcag tgaggcctta acgcgctggg cactttgcac agaatacaac 240
 tccaccatag cctggactcc attcttcggg aaaatgacaa ttctctggac agggccacaa 300
 ggattacaga tagtgtaaag aacatccgtg gttatggagt agatgggggt caggatggta 360
 aacagaagca cactgttgac gtcggggag tcatcagagt caccggggcg agagatcttc 420
 tggctggtag aataattgac aaaagcaagg tgaccagcaa tgtagatctg gttgtctgca 480

<210> 282
 <211> 493
 <212> DNA
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA900290

<400> 282

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caacaattgg aagagaactc caggttatct ttttgactct tacatttttt tttagaaaat 180
ttgaacccaa tcactctggct gtcttcggga tttttttcga gagagggtct tgatatacag 240
cccaagctgg cctccaagac agacttcctt gtctcagctg agtggtggga tcacacctgg 300
catcttgata ggatgtctca ctaatattct tagcagctgt tctcaagcta cttgtaaaaa 360
gcacattgca gaagaagtga tggagtaatc ttcacatcta ccaatgtcat cacaacagaa 420
aaggcacaaa taccgcacag tgactacagt ggaaactaga accgaacgct acagaatctc 480
tgaaacacaa tga                                     493
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<210> 283

<211> 527

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA900506

<400> 283

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ctgacttttt atacatcata tgacatatgg acagcaccag cgttatctgt aatattttca 120
acatgggttt taaacacagt gaggcgtatg catctgagct ccgttgggtca caacacagaa 180
atgctgccgt aactttgctg ccatcaggat tctgcgccgc aatgggtttt gggggtaggt 240
ttaccgccgg aggtggtcgg tcacataacc atcggctgtg gattcccgag cagcacagga 300
gccagtctca gcaaagcgcg gactggcatt tttagggtgc tgaacctgaa taggagttca 360
gcaaagcttg tgctcccttc cagtcccatg ggtggcaagt gtcgcggtgc tggcacagag 420
tggtagacca tgaatcaggc caccatgttt agctgagact tctcaacagg ctgccacta 480
aggtaggcat gcacacacac atcgctctca gcttgtagcc actggtc                                     527
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<210> 284

<211> 274

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA900548

<400> 284

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tttttttttt tttttttaag acaacattga acattgcaga cctcacattt attcccttca 60
tataagaatc ctgaggaaga ctgacaagaa tatgggctag ggattctcca gaagtctcag 120
gctcatcatc tggggtgagt tactgtgacc tcccttaaaa tccgtgttct tcacaacaag 180
tcgggcaatg gttttcgaaa ccggaccgct aagcttctca tggatcatca aggtgttcca 240
ttaaacatgc actgtaaaaa tgacgttttc tcgg                                     274
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<210> 285

<211> 406

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA900553

<220>

<221> misc_feature

<222> (1)..(406)

<223> n = a or c or g or t

<400> 285

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gggccctaag gtttttggttc tggagccaag attcttttctt caatatgcct ggccctggggc 120
cctagtggct gaggagacaa agtgaggggc tcccacagta cctggactag gaccgagaca 180
ttcctggcag cccaaggaga tacaggagct tcagaaagag gtcctcatg gagctgacca 240
ggagctcaag gttccaataa cacatgtgag tgcggagctg ggaacacatc ttccattgga 300
ctgtcctggg gcttgtcttg tcaactcaagg caagtggagg tcagaaattg aactcangg 360
caccagagat aaaagacatc tgaggccatg gagaacaaag atgctt 406
```

<210> 286

<211> 535

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA900580

<400> 286

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tttttttttt ttttttttaa tctactgct atcatgctct taagggtgac agctggggca 60
gaaatggagc gcacaaccgt ttagcaggaa gtactgcgcg aactgtgagg agccctctt 120
gagtccttta cggactaact gggaggttta gaattcccag ttgcggcgca cttgggtttc 180
tttaatgtgg ctgcgctga aaactctaga cggggtgcac gacctgggaa agccaggcgc 240
tcccagctag gcccgggaaa agcacggaac cgggaggctg accttagtag acaacctgt 300
agctcctcct ccgggttaga cggcctggca gccctcacct gctttcatca caggctcat 360
tcgcatcatg ttgtccatca ggcccgtgca gtagcccagg aagccgatgt agacaagccg 420
cgggtcgttc agcttgggcg ggggcagtct cgggcctca tccggcaaga atcttaaggg 480
ctcatggccc ggccggccgt tcatcatatt gatgcgggtt ccacgtgagg tctga 535
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<210> 287

<211> 398

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA900613

<220>

<221> misc_feature

<222> (1)..(398)

<223> n = a or c or g or t

<400> 287

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ggcacatgcc ctgtgtactt cttcagtggc aggtggcact ggccctcagac ccgtaaccag 180
ctgccagggt aagagtagtg aggggaacga gagtgcccag ggccagggca ggaggctgac 240
ccccctcgtc ctatgacacg agtgccacca ggggtggcag caccactgct gaaccgaggg 300
gaactgcana gacaggcttc tgggaccag ccactgggga ggccaacagc agtgtgcggc 360
ccttcagtgc atgtggcccg ggtcatcatt ccatccca 398
```

<210> 288

<211> 534

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA900863

<400> 288

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aaaaaaaaaca aaacaaaaaa acaaaaacaa gatgtccatc ctttggtcc cttccctccc 120
ccctccagct gttcctcagc cctgccccca ggactgaacc ctgggctagg gccaggtagc 180
aggacagccc ctcaaatgag gtcagcaacg ttgaggggca tctcttcaat ggagggtgtg 240
tagaaagtct caatgtctcg aagagtcctc ttgtcttctt ctgtcaccat gttaatagcc 300
acacctttcc ggccaaaccg accacctcga ccaattctgt ggatgtagt ttccctgttg 360
gtgggaaggt cataattgat gactagggag acctgctgca catcaatgcc tctggccaac 420
aggtcagtgg taattaatac tctgctatag ccagaccgga actccctcat gatcacgtct 480
cgttcctttt ggtccatata tccatgcatg gcagaaactg ttaaatcccg ggca 534
```

<210> 289

<211> 447

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA901006

<220>

<221> misc_feature

<222> (1)..(447)

<223> n = a or c or g or t

<400> 289

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tacatgtcgc cattaacaga gctgacgaca aatattggaa ataagtgaat tactgaagta 120
tggaagatt taaaatgtca acttgagtg atcatgcaag cccatgcatt ggtgcctgcg 180
ccctaattgc aggacctact ctgctcatcc ttgtggctct gtaccctcag cgggggttcgt 240
agtaattctt ttcataaaag gtattgacag tccaactaac aacctggatt cctttggctg 300
accacttctt caattgtccg gggagacaaa atccttctgc atgaggaagg ctgaaatccc 360
acacaggtac cacaagacat tgtgcatgct ccagtcaagc aagatgtcca acaccacana 420
cacagactgc ttccaaaaga cgctgta 447
```

<210> 290

<211> 330

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA901107

<400> 290

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acaaaggaca gcgtgaagat gtagctgtgg tcatccgtgc acggactggg ctcttggtcca 180
tttagctggc tgtcatgtca aggtttctta aatgccaaacc tcagtgggtt ataaattatc 240
ggccccccga ggatttcagc aagtccagat catccgtctt cgaatccatc tcttggtact 300
gaacttgatg tatcaagacc cctcgtgccg 330
```

<210> 291

<211> 412

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA901152

<400> 291

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tttttttttt tttttttaag aatacgaag atagtttatt gaatctaat tctccattaa 60
agcctttaaa cataaaatct ctgtaggaaa tgtcacaact tagtgtcatc tgtcatataa 120
ataaatatac actaagatgc acactatcaa cagggtgcct caacgtgagg ccacaacaca 180
gggacgcagt caactttaca actcaggact ggctggactg gggagtgagg gaggggcagg 240
tcgaggggtg ccgtgggtgg ctgtttattgc tcaatctcgg gtggctgaac gccacttgtc 300
cctctaagaa gttgggggac gccgaccgct cgggggtcgc gtaactagtt agcatgccag 360
agtctcgttc gttatcggaa ttaaccagac aaatcgctcc tcgtgccgaa tt 412
```

<210> 292

<211> 580

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA901338

<400> 292

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tgcattttac agaagtctat gaacgatttt aagaagcacc tccttactcc atcacgtttc 180
tctgacagtt gttaaaagtag gcaacgagta tatcaacagc ttgaataccg gtatcttgca 240
aggatttcag aacaatcact cgccaaagaa cttggcagtt tctatcttgt ttttaactca 300
atggtacatc cactctgatg gtaacctgtc cagccaaatc tccaccacat tttgaaaaaa 360
tcaatggtga ttagcaaatt agtttagcttt ggcacggagc tgtgctcgtc tgccctgtgac 420
agcctggaag ccagttttga tactggccac agagcatcga gaatgacaag tttcacactg 480
taagaaatag agtcgggtgt ctttctgtaa gattgtgtcc ggtgaccggc atgtgtgaca 540
agtgcagtat tccttgatat atcttctcaa gacgttttct 580
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<210> 293

<211> 492

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924036

<400> 293

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caatttttct catgttcttt ggagtcttgg gtttttgaga aaaacaataa ttccaggagg 180
tacaaggaca attcttcccc aaacgataac ccttaacaca tcttacacaa aaaaaggagc 240
ccaggagaaa ctggaggatt cacggtgtct aggttataaa tatcaattta aaagtcaccc 300
atatcatgta actcaggagc ctctgttcca acccagtgtg ttttatgaaa caaagagaca 360
gggctaacta aaggaatcaa agaacccttc tccaagcact gacaccaatc taactggaca 420
ccctactctg atcccatgtg tccttgctac aaagatgatt ttaaaagtaa gaaagctgct 480
tgtcctgaaa gg 492
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<210> 294

<211> 494

<212> DNA

<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA924152

<220>
<221> misc_feature
<222> (1)..(494)
<223> n = a or c or g or t

<400> 294
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gagctgggtca ggcaggcggc atcccacagg agagtgggtg gagtccttgg gcagcacctc 180
acagaatgat ttggttggtg aagcttcgac tcagctcctt atgtggtaga acaatcgagt 240
tcaagataag cacctcagcg gggatccgta ctccggcagcc caggatgggt atggcaggaa 300
gtagctttcc atctttgaag aggtctctcg tgtccatgcg ggcgcggggg tcattgggat 360
tggggtcatt gggagtcccc tctacgcggg cccagcgcgc cacagtgtc cccagccca 420
caatgctgtg aaggacacag gtgtgttctt gcantgtggc tccatggagg acaatactct 480
cccgcagacg caca 494

<210> 295
<211> 292
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA924196

<400> 295
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aaaaccttta agtactaaaa ttttacatca tgatttggtt aacttaagaa gtgttatgac 180
gttgagaact aatagattta aagcagaaat gatgacttcc acaagaatca gtcactcctc 240
ccaacatga gaagggaagg aagacaagga aaaggtgaga cagaagaatg aa 292

<210> 296
<211> 380
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA924236

<400> 296
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aactaaaatg ttaaaaaaaa acaaaccaca ggattcaata ttattcacag attcaggggc 120
ctactggcta tcttggaaac ctcaaaaaga gtctgtattg gtgaaacgtg ggatcagttc 180
tatctcacia aactggaaag attataattg agacactgta ggcagagttc agcatgaagg 240
tgcttgactc acagtaaatg ttcagttcat agttactggt atctactctt aactttaatt 300
cctcaaagct ttaagcttct aaatcttccc ctgggattaa aagtctcata aaatgtgtac 360
tttctctat ttcccttctt 380

<210> 297
<211> 226
<212> DNA
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924261

<400> 297

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tttttttttt tttttatggc aactcctggt ttatttctcaa ttacaaacac agcaatggga 60
agaagaaggt caccaaccag attcgtgtga caggcctggg gggtcacctc agagattcga 120
cattgtgaat ggcccccatt gggtcatttt tatacagcat gaagtagcct tgcacctggg 180
caagactaat ctgggatgta gctttaagga catgttcagc aaaatt 226
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<210> 298

<211> 464

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924289

<400> 298

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cggccgcaag ctagcgatcg catttgtgtgc caggcgcagg acgtgcaggc ccagcaggcc 60
tggaaggtg tcctccatga ggccagccac gcgggtgtgc gacaggcca gccaacgcag 120
ggccttcatt cccagaaagg caccaggggc caccgctgta atgaggttcc ggtccaggta 180
cagcttctgc agcctgggca aatgtacaaa gacgttagct ttgacgcttc ggagtgcgtt 240
cctgctcaga tccagctccc gcagctcgcc caagccacag aagagcgag gctgcaggta 300
agtcagtttg ttgccagcca gcaccagctc gtggagggtg cccagtcctt ggaacactgt 360
gtcaggcagg accactagac tgttccaacc caagttgagg tcccaaagg gactgaggcc 420
ctggaacagc cttcctcca gccggcccaa gaggttgctg ctca 464
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<210> 299

<211> 441

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924301

<400> 299

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aaaacactta atagatacta aataaataga actggctgta aatctaagtt ctctgatgat 120
aaccatacaa ggatccgcct gggctgatta gtttgggaga tgatctggag gttggtagga 180
ctctccttca tcctcaatgt aaactgtgcc tctggtttcc aaagttcccc ttgtttctcc 240
aaacgttgta tgtctagaaa catgttttaa gaaacaaact ggagaattgt atgggttttag 300
agtgcagttg agaagagaat gaggggtggt ttgtttaaag tacagaacaa gaaacttcca 360
ctgcttaact gattatccag aagtgaaaaa gaaactgagc taaagggtgt gctgggtggc 420
gagaaaggga gcaacaaaga t 441
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<210> 300

<211> 441

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924307

<400> 300

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tttttttttt ttttgttggt aagatctcat ttattgggat agaaacagtg gctccaaagt 60
gggtgtgaagg gctctgtgac ttccattttc atgctctggc tctcagtcct ctggcacctg 120
tgcgtgaatc gctgcagcaa ggctgggcca acctaaggcc ctatgcactt tggcatctgg 180
```

```

accagggacc gtttccagac cccacaaggt gaagtgactg aagctgccgg tggctccgat 240
aaagcgggtca aagtcgccgt ccagcggctc ctgtgcctcg tccgctttgt cctccgcgtc 300
ccctgagaag ttcagcttcc ctatcagccc ctctcccatc tcttctgtca ccatcacgaa 360
tcccgcgaac cctggcggga cagctacatc ttcgccccgc aggccacgac cgcgaaacga 420
cacctgcagt ccgtctgcac c

```

441

<210> 301

<211> 355

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924405

<400> 301

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tttttttttt tttttctggt tttgcgtttt tattgggggtt tatcatgggc aggaggaact 60
gccaccataa agtatgcccc tcccaccaag caggtccatt ctaatcctcc tcccgggcct 120
tctgcgactt tttctttttc tttgtgctgc tctttgtgca gcttgagca gcctcaggct 180
cctcagaaaa tttccttttc ttcttagggg tgatgggggt tgctgcctct tcagggttcac 240
tgggcacttc ctcttttagg aaggacttct ttttcttagg aacacttatg ctgctagtag 300
ccatctcttc aagatcactg gccaaactct ccttgggaaa agctttcttt ttcct

```

355

<210> 302

<211> 384

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924460

<400> 302

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tttttttttt tttttttcaa agaatgtaat taggtattta tttagtataa aaggcctgtg 60
cacagtgtaa caaatacaat ttttacagct gttttacaat cgtggcgtct gttcatttgt 120
gtttcatgct ctgaattact tcatccagta gtttgctcac ttctttgtgt ctctgttactg 180
ctcgactcat gcagtcctga agtttagctc cagtcagccc actccacact ggcttgtgaa 240
gacagcacag cttgccttcc tcgtccatta ctacgggtta gggttcctgtg gacagggtgct 300
cctcctcccc ggtaggatcg actatcagca aagtgtcatc aaacacagca aatgaagtag 360
caactggggt tgctctaaca ttca

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384

<210> 303

<211> 467

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924598

<220>

<221> misc_feature

<222> (1)..(467)

<223> n = a or c or g or t

<400> 303

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tttttttttt tgggggctct ccaaaagcac gtgggtttatt atgggtgagct gtagtgcaca 60
tcggtttctt tagtaattct aagctgatac aggttcccca ctaggagtag acatggggag 120
tgactgggcg cgcggtgaca gtgacaaacc agtgagccac tgtgatccat agaaagttac 180
attagcaatc aggagagaaa gggaagtgtg aggtggccca gaggcaggat gtgagcagag 240

```

```

cacctccact gctctcatgg tgggccacag gatacccaag agctgagggg gccttggtgg 300
agggaggctg tccccctatc tctaaggaac tgggacttag tgggtgagac gctccactgc 360
ctgcagggtg caccttttcc tcaaaagctc atcaggcact aagtccatgg ttgttgcan 420
aggtgctctg ttctttcagg tactcgggtc tggttcctcc cctcctt 467

```

<210> 304

<211> 527

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA924630

<400> 304

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tttttttttt tttttttcac cgtgtcagaa actgtttaat gttagaatta caggcttttg 60
gcaagtatat ggcaagccca tctgtccgtt cccatgtcca ctgagaacac agcagagggg 120
gcatgcccc aagctctggc tcagtccaga cttcagcttg ggtttgtcca gcgagatgtc 180
tccagtccat gaaagcccat ctggctacag cttgagttca ctgggcattg gctcccctct 240
taggccagcc agcaagttgt tagccgccag caaggacatg gtgttgcgag ttttgtaggt 300
ggcactgccg atgtggggca ggatcacgca gttcttgagg gtcagcaggg ggtggcttgg 360
aggcagtggg tctgggggtg tcacatccag tctgtctgct gcaatctgac cactggctaa 420
tgctgggtac aggtcttctt ggtttaccac atctcctctg ctgatgttga tgaagacagc 480
agtgttcttc atcttctgga agaagtcctt gttgcagagc cccctgg 527

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<210> 305

<211> 465

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA924763

<400> 305

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tttttttttt tttttttccg gtttggttaa cacatctgag cttttatttt ttagaatata 60
gtctacatct ggattaaaaa aaagttttta ataaacaaga catataacaa cagtggagcc 120
cttcatcatt ctacgtacaa cacagataga atgtcagttg gttccacttt agataaatcc 180
actttctcac aataatgtta ttattttcgc tggccgagtg gcaagcttca tcctagctgg 240
cacgtcacca gtttacacac acgggggtgg ggaggggtgg cgtgaaaggg atgggggtgc 300
ataggactac tgtacagtgt aacagaaaat cattaataaa gtagtaccgg ttaccaacag 360
tgctgctgt gcgcttatca caatggaatc gacgaagttt caaagcaaaa agatctgaaa 420
tacttaagac aggtgactg ttacaaaaag aaatagtgca aacag 465

```

<210> 306

<211> 517

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA924767

<400> 306

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tttttttttt tttttttctt ataaaggaca acatttattt ggggctggct tacagggtgca 60
gatgttcagt ccattatcat catggttggt acatggcagt gtccaggcag gcaagggttca 120
ggaggagctg agagttctat atctttatat gaaggatgct agaagactgg cttccaggca 180
gctaggatca gcatcttaaa gccacacct acaatgacac acccactcca acaaggacac 240
acccactcca agagggccac acctccta atgtgtcactg cctgggtcaa gcatatacaa 300
accatcacia gaaggcagaa tcatttttta gtcccagcaa caatgaacaa gaatggtttt 360

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ctcttccaat ctgacatcca caaaatagaa tcccactgta attttcattt gtataacttga 420
 tgttatgcaa tgggtcaatta tcttcccatt tacttaaaag ccacttgtgt ttcattttcta 480
 ttaactgtgt ttcatatta ttgtccattt aatatat 517

<210> 307
 <211> 479
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA924768

<400> 307
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 tgctccacca atcccccttg tggccttggg ctccccaggc aggaggacag gtggctcatg 180
 gaggatgaat tgatgataag aaagagtggg cagcaagggtc agaggtcaaa gaaagccatt 240
 caagcaatat gtccgacact cctctgcat gccgatcctt gccatacaca ctccagccaa 300
 ggcagccttc tctcccacat tctgccagcc cacagccgtc caggaccact ccttatctac 360
 tcagtccact gcccatttag caagggaaaa caacctctct cagatgctac atgaatctgc 420
 ttgctccaac ctgggtctag caagaagga ctaaggttct ggtcatctac aattctcac 479

<210> 308
 <211> 450
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA924793

<400> 308
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 gctgtttgga ctcatTTTTT ttctttcaat cacacaatat tgtttcacgg aattcacaga 120
 attcattaac gagctgggtat tttacttccg agggttttca gtagaacagc atcattgaaa 180
 ggatgccaat gagctgcttg gtgatgggcc tcccgtccga tcagatggaa gtctagaaca 240
 ttattgcttt attagtccta ttaataaatt gtaaactact cctaggggaa ccaccgggtc 300
 aggcgccttc cctgtgggcg gtcagatgta tctgatctgt ggggtgtcaa actcgatata 360
 agtctgcatg ttctgcggtt tggctggttt ctagggtgga ctgaggtgga gcaactgcccc 420
 ctcacattga ttctacatt taaaaaaaaaag 450

<210> 309
 <211> 286
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA924993

<400> 309
 tttttttttt tttttttgat tcaaattgact ggcaatagcc tttattttga tgatcttttc 60
 gtttaaaaca tttaaatcct gtctctgtac atggcgtagt acgtgtgtcc tcccacctgt 120
 ggggaagggg aaggtgtgga aacagggcct tggagccctg gtgtgtgtgg ggtggggtag 180
 gtgggcagag cgggcgagtg ggttaaaaca agcatcttgc ttactaacat gaagcctcac 240
 accctgtgaa cagggtatgag gctgcattgg cttgaggggg gcctca 286

<210> 310
 <211> 495

<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA925045

<400> 310
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ctgtaaataa acatattatg aataattaaa atcgccattt attataaata ccaactaagt 120
taaataatac tatttcacct atctttcccc tttgagctgg agtccagatt ctttctctca 180
aattcttacc aggagtaaaa tctttagtgt tgtgacctct gtacccatct gtacccaaag 240
tgccctttta taaactaaat gagacctaga actctgaaag gaagcttctt cccacttact 300
gtagtggtaa actgaccttt ctgtttcctg agttgttggg agtacagggt agcgctacca 360
gcattaaaat actttcctgg gatatacttg ctttgtgctt caggcttcag ttcagatacg 420
aactcccagg aagccttgga cctagtaggg ggagacgcac taacacagtg tcctgtcctg 480
gaaatgtgta tgctt 495

<210> 311
<211> 118
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA925049

<400> 311
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gtgggagata ggaccaccaa ccgtgcctgt ccagaacaaa agttggctga cccacacc 118

<210> 312
<211> 428
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA925057

<400> 312
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cctgctgtct agggacaagg cctggcactc gcctgggagg gtagggagag tttccacaac 120
ctcagtctac ttgaaagtgt ggctttcagc tccacctgc ccaaagcctt tgggccc aaa 180
catggcggag tagcagggat ggttgcagta gggcttgctt tcatgctcag catgaccccc 240
agaggtcagt gtctttccac atttctcgca cttcaggcag ggacgatgcc agtccttgcc 300
tagtgacgtc actcgctcag cgaaatacac ctcttgctcg cacttggggc acttcggcat 360
ggcggcacct ggtcctgcac aagtggctgc agctagaagg aagtaggttg tcctcgtgcc 420
gaattctt 428

<210> 313
<211> 570
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA925063

<400> 313
cggccgccca tgagggcctg gggagagccc accccacccc cggccggctg ggactcaccc 60

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atgaagacga agatctggtg gtgcgagtat cgcaacagca tggacacact gagggtaaag 120
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cggtagtgct ccccagagac cacattcctc aagaagcctt tgttctcctc attctctgcc 240
aggcccttca cactagacat gaggacgtcg tcgtagccca ggaactcgtc cagcagcagg 300
cggctgaagc ggtccccgaa gcactgctcc cgcgtggggt cttgatggag ctgttggtga 360
acatctccac ggaaagctcc tcctcctcca gctccaggcc cccgggctcc aggtctaggc 420
caccgaggcc cccatcacag aactgcagga tcaccgggtgc ccggctggag ttgtggcgca 480
cctccaccg caggacaccc tcccgtggcc atcgggtctcg aacatgctcc aagcagttga 540
tgggggaccg ggagaagacg atgtgtatgt 570

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<210> 314

<211> 505

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA925145

<400> 314

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tttttttttt tttttttgac aagcaacaca ctattttttt taaatcaatg ttccaaagaa 60
atcaaaattht agaaaaggaa aattattcgc aatttcacta atggttactc actaatttgt 120
tacattgtag caaaaaacaa aagtagggcg cagcatacaa accaaacatg aatgtggaaa 180
gtgctagaac aagatgaact tgatctctga cttctagaaa ggtcttccaa ggttcatgca 240
ttttacttga atcagcaagt gtttccttga gcgttggtga ttatgtttgt cgtaatgcta 300
actagagagg aaggtaaagaa gcacgttcta tggtccttgg ccatcagtag tttatgatct 360
agctatgcct ggttataaag atgcacttac taattctaag accttaaagc gataatcgcc 420
tttgaaagcc aagcatcatg actgttcaat aatcctgccc tcactcgcaa cagctttggc 480
gtctcctcta ctgagactgt aactc 505

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<210> 315

<211> 527

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA925167

<220>

<221> misc_feature

<222> (1)..(527)

<223> n = a or c or g or t

<400> 315

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cagggaccag ccccaatgcc cacatgggta ctgatagcca actggcttct tcccaagatc 180
cccagccac acccagaaca gagtcttaca aaagcgaaca aatacattta tcttcctttc 240
catcccctgg ccagcagagg tgggggttaa acagttcatt ttaaaaaaga caacgactca 300
taaaatgaaa acagaagaaa gaatccagag ctggagagct gagatgtggc cctggcgggg 360
agcacaatgt gcatgggaga ccctttctgc catactcttg gagggggaag cgggtctttg 420
ggctccggcc catggacacc aagcccacga gtccttggga gctcatggcc acatggtcac 480
aactgcattg acttcttana aaagcatctt aagactgtgt ccctgng 527

```

<210> 316

<211> 535

<212> DNA

<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA925258

<220>
<221> misc_feature
<222> (1)..(535)
<223> n = a or c or g or t

<400> 316
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ttagaaaatc atttctaata gtataaacia tgaactgtat ttgatacctt atgtaaacat 120
gaagatgctt cttcccaact ttgggacaaa gaaaaagggtg aaagcattct gatgaaaatc 180
atcaagatca agtcaaattc ttataaattc ctacagctaa aaacgtctgt ctggatagat 240
caggacagag gcaggtagcc gccacttcc ctccatcata ccaaaactaa tgacctttta 300
gtcactttca agatagccag tcaccagtcc ctgtcttagc catagtcagg ctaccctcac 360
agaggctgct gctgctgcct cagtangagg agggatatct atactgtgtg tagaccaaag 420
gcctggctga agtcccacag aagtagctga tgacaggcaa aggcattgtct actgaaagca 480
gttgaatggt atggcgtgag atgaaagtat acagagccag ggctaataca tcaac 535

<210> 317
<211> 510
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA925274

<400> 317
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agccgagacc tagagtttcc tttaaaaaac aaacaaaaaa ccaacccaac cttgtttaca 120
gcaaattgat actgatttct agtgactttt aattatacgt ttaagactac agatcaagaa 180
ttgtttgttt tccaatcata tattcttttg agattaaaat acaagtgtaa aacagggtta 240
aattagattc accccaatga tttaaaaaac aattccaatt gaaagaattt caaacaccat 300
gtatagaact caggacaaa agacaacat agaattcttt tacctttgag gtagcacaat 360
aatgcttaat tgggtttttt tttaaaaatt attattacaa tgaatttaaa acataacaac 420
aaaaaacgac gaattcaacc tttgctcaag gtgggctata tgggtttctg caaatcccc 480
atgaggtgag tgacaatttt cactcttttt 510

<210> 318
<211> 543
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA925306

<220>
<221> misc_feature
<222> (1)..(543)
<223> n = a or c or g or t

<400> 318
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tatgcaacca tgactgcagc aagaaccaca ctgaatggaa gcaggaagtc tggggctcaa 120
gagtcaccag agagtggcag ctgggagatg gcacctcgag gtgcagggtg gaggctaggc 180
ctcaggtgtc ccttaaccct tactatggag aggctgagge ccctcatcga tagatagtcc 240

```

tctgactcct ggtccctggg tatttcctca tgaagacaga ttctggcttg gctgtggaga 300
tgaagagac tggccagggc ggaggaaagg gactcttcac agctcctgct gaggaggggt 360
gggctggacg ggttcccttc cccatgattc acatcgatgg atgatatgct ggggacccgg 420
gccttagtct tgttcagcct ctgggctcag ccctatacat actacagcag gtgctgagga 480
caaggcctgg aaggcacttg gcttggaact cggggccctg ctanagaatg cttatctggc 540
tca 543

```

```

<210> 319
<211> 508
<212> DNA
<213> Rattus norvegicus

```

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<220>
<223> Genbank Accession No. AA925384

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<220>
<221> misc_feature
<222> (1)..(508)
<223> n = a or c or g or t

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<400> 319
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cctcactgcg cacacctgcg ggcacctgga cttcacagca gaacgagtgc cctgcaaagt 180
cagatccaaa caccagtggt actcttggtg gcgtcagtaa tgtggatgga actctgccag 240
gcctggtcca caggatcatt ttcagttttg ttttgttttt tttttttcag agctggggac 300
cgaacccagg gccttgcaact tgctaggcaa gcgctctacc actgagctaa atccccaacc 360
cccattttga gtttttgaaa ctgttttgat cctcaggatt gaacctggtg cttaccacag 420
acaggaaagg gctctatctg tcaccttccc tcccatgatc ttcanaggct aaaaatgcct 480
actggaaact aacgacaagg acatttgc 508

```

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<210> 320
<211> 598
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA925541

```

```

<220>
<221> misc_feature
<222> (1)..(598)
<223> n = a or c or g or t

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<400> 320
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tcttgggaga taccagttcc cctccccccc tccagagttc cagcatttgt tgtggttaag 180
cctctactga cctagcattt aaatggaaaa aaagaactgc aaaaataaag acaaaacaaa 240
gaaaccaaca gcataaagga aagaaacatc ttctgctcgc gatggagtct tccttcccag 300
catctaatta ggaggcgtgc tgtgcggtgg agaagcacia cttcagagtgc tatggatacg 360
ggccatttgg gtttttcatc tggtaatggt tcaggaagcc caaggtctcc agggcgatcat 420
tcttggagtc nactccagc agcccagagg agctacgctc gcttttgcct gaaaataactt 480
tcacagaggt tggccgcttc actcccagtt catcgcagat ctcaaagaag ttctcctcag 540
tcacctcaa gggagcattg aagaagtgca gaacattgct aaggtgctgg atgcggtt 598

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<210> 321

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<211> 499
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA925603

<400> 321
tttttttttt tttttttggg ttgcttggtt tttattaaca gtcacgtttg tatatgggaa 60
gagtttcaca gatcaaacag ggagatccaa gcacactcag ggttttgact aaacggatac 120
tattactaac actgctcacg gaggcaagcc tgattctacc tccaccggaa ccacctacc 180
tgcattctcc tgggtccatt ttgtacccta gtgtcatgac cccagcctcc ttttaagacta 240
actatgaatg cctccaccca catctgcccc tccaatctta tcatattcct caataagaaa 300
tatatttgat gttttttctt tacttgacga agtagagtta ttattgcaga aatgaaaact 360
caatgaccaa ctttaatttt aaaactagaa aagaagaaaa aatgtcatca ataatgaact 420
tgggtagagt acaacaagga gtatgagtta ttttcaaagg caacatatcc ctattttgta 480
catatttgca tataaaagt 499

<210> 322
<211> 457
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA925807

<400> 322
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taagtggcag gtgggtatat taaaggtggt ctgttctcat agtttcacaa cacagacaat 180
tcctagtaca cccttctatg gacaaacatg aatttgctgg tttctctttg taaaaggtga 240
tcatgataca cataattgca ttatgaggca ggatgatgta atacgtaaga caatgttttc 300
aagctggttt tgtagtctt gatctcacat ccatttacag ttgctttgcc atgtgatgca 360
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<210> 323
<211> 489
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA925869

<400> 323
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ataccctctc caaatttcaa ggtttggtat ctgataatct gtacataatt tggtttaatta 180
ctgataaagt agaaattaca gtcacgtttt taatgagaaa tgacttggga ttctctggag 240
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tacttagata cttgaggtgc tgtgggtcat gaagtctgtg ccatggccac tccaagccat 360
agggacaacag ttccgctcca ctgcaggaag gctccataaa acattggtgt ttgaacttta 420
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gccgaattc 489

<210> 324
<211> 405

<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA925961

<400> 324
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ccctagctct aagtatctat tcatataaac ctaaccttgg gctccatttt tggatacttt 180
ctccacatat tttattagct tgtcctaccc tcttcagtat ccaacaaacg cttttacaaa 240
agtaatacga aacacacagc tctcaacact aactgggtcaa tgggaggaga caagcagtgt 300
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tataaatgta caaaagacga tagatctatg gatgaaattt ggtta 405

<210> 325
<211> 437
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA926109

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aaaacatatc caaccattac cccttttaaac atatcgtaaa taaaaaatta ccagcacttc 240
tacaaaataa atattaagaa accattgaca tagttgaaat gcatcatat aaattaacaa 300
ctttaattac attacccaaa cagacatcgg ttaaggaatt gcatgaagta tgcaagggaa 360
ctcacaaaat aaaaataaaa aaaaacaaac aaacaacatc aaccacataa cataaaaggt 420
tttaaaacaa aacagat 437

<210> 326
<211> 314
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA926129

<400> 326
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taggggaaac tacatggcct cagttcaact ctaggccacc ctgcttctgg ggcaagctga 180
ccctagtctt tgttttcttc agaactgttg tgtcaggcct tatcgaggcc agatggtttg 240
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cttgtcctca cagc 314

<210> 327
<211> 406
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA926193

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<400> 327
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taaagtgatg tcagtaataa cagagtcggt gtcacagtcc ttggcattta cagtttgctt 180
tctgatcttc ctttggctgg attgaggctt gcagacagac tcctgtcctt gatgtctatc 240
ttctcatctt gatcagagtt ccatgcagaa gtttagagag gttccgtcca tcttttgctc 300
atagatttca tcaaacctct cattctgggc cacagtaaag tggtttttcc aatcaccac 360
aattcctttt ctcatgaaag gggaaatgga ctggtccatg atagtc 406

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<210> 328

<211> 421

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA926262

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<400> 328
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agcgtacaac tgcaactcta cgtaaagtc acaaatgcac aataccgttt ccttgctcta 180
tttaccatagc tgatatactt accctaacag aggtgggtca attacagttt tgtgattgct 240
cccgtaccg tgactgcaca tccaccagc gccagtcacg agaggacagc ctctcacact 300
cttggtagca tccgctcagc ctacaacact gaagaagaaa gccacactca agacacaagg 360
aaaacaagtc agtccagtct agagaagaac attccgggaa acagagtacc aacaccttct 420
t 421

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<210> 329

<211> 512

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA926365

<220>

<221> misc_feature

<222> (1)..(512)

<223> n = a or c or g or t

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acaaagcagg gaatcatcag atttggctctc ggaggtaggg gagggaaaca gcaggaatcc 180
aaatgaggac agcctgggtg actggactgg gagggaaagg acttggctca gtctcctgtt 240
cccaccggg caagagccag ttgtctctca accttcagtg gccagaggc tgctcctggt 300
tgagcctgtg gaagaagctt ttgccaaact cgtaagtgt gatcatgatg gcgcaggagg 360
gcgcagcctt gatgatctg nggaggaaac ctgcaaagag tcccctggtg ccagattcag 420
cctggattct ccgaagcagg agccagggtg agtcaactct tggcggcttc actctcatag 480
cctccactgc tcccagtgc atttgtcgt gt 512

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<210> 330

<211> 588

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA942716

<400> 330

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gacttgccgc cagggggggtt tctcctggat ggcgctgggg ccggagccac tgggctgggc 180
acaggagcag cgggcaccgg cttctcttcc acctgtgcca ggctggcttg gaagtctgtg 240
tccacatttt catgcacatc actttctccc ttgaggtcta agaaatctcc agagcttgct 300
tcagaagagt tacttctctg tgttccaggc gactccgaat cctccctgcc acctgctgac 360
ttggcccaag atgggggggtt ttcttcagggt gtcccaaaga tgtagaagc catcttggtc 420
ttcctcacgg gctgttctgt tggctcatca aaacctaatg aaaaattgga cccaccacct 480
ggaggccgca aaaccgggga gctgttctct ctgttagggt ctacaccctt gaagggtggtg 540
gcagtggtca tggcgcaaag gggcgaggta gactggccct gaaaacgc 588
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<210> 331

<211> 639

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA942726

<400> 331

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tagatgtggc tcagcggagg gaggccagc atggccaagc ctgtgtggaa cacctcacgt 180
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ttgcacacca tctccgtgcg aacagggatg tggagccctg gcgtgctagc caggctcaca 360
gtctggctca ggaggtccag gaagggaagg aactgttga aaagcagcag ccactcacc 420
tgtgggagac aagagtgtct ggaagaccag cccaagcctt ctgcttgtgg ccgttcacg 480
agtaacactc acctcatcat ggagtaatga gaaatccaga ctgctcacga gcgggaaagt 540
gggatacaga ccttgttcca ttccgtgttt gtaaccctcg aagagcgtgg caaggcgggc 600
acagttatac atgacaaacg tccactctt cgtgccctt 639
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<210> 332

<211> 589

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA942731

<400> 332

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atcaaaactc tttcagagtt cttagtattc gtggagggtg ctttaaaatc atatagcag 180
tggcaaacc c atgccaatgt ccatggcttc ctatggaaat gtttggggag atacatacat 240
atataatata atataatata tttattgccc ctttcagaaa aatcctaata gaatatcaaa 300
tatatcccaa agttgtttct ataaataaga ctggtggtta ctgcatgctc cagagcagat 360
ttggaaggaa ttcgaagtga aacaagttgc tcttctgat gtgactatga ggaaaggaga 420
ggccctgatt atccaagtgc tttgggctgg tacagtcact aacatcccc acttggtgta 480
aaactaggaa tgcattattt ttaaagagtt tatatacatg tggatgaacag ataattgttt 540
aattgaaaga gaaacagatg tgaacaccta atggaaatca gaacaaaa 589
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<210> 333

<211> 452

<212> DNA
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA942745

<400> 333

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tctttctttc tttttttttt ttttaaggcc ttcagataaa aacgaaggat gaaattgtag 180
ggggaaaatg ggcgggatgg gggcggtggc gaggaatagg gcgtggctac cgcagagccc 240
attcctcaga ctttcggtca tttctgcca gccctttgcc cctgccaaga gctttcctaa 300
accacttttt aaaacctaag gtcaaaacac agccactact ctctcagaga aagaagacaa 360
ggaaagggaa aaaaacaaag gtgtcctaac gtaaagcacg aaatgaagcg gggaggggga 420
gtcccatccc aaagcaaagg ggatgattgc aa 452
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<210> 334

<211> 550

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA942770

<400> 334

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gccacggaaa cacattcaag atgttggtgg tcttctttgc tgctgctttt gggttaaaat 180
caacatgaag cacacaaaca gaagcatagc tacatttgca gcaaaggccg ctgcaaatac 240
aaccacaaag agagggtggg ctcagcgatc catctcacag caatgcaggg agcctttgtg 300
cctcctgcac aaaattagca cattcagggg agacgtgtgc ctcacaaagg gccatgtgga 360
aagagttatt cactctcatc caaaaatgaa gacagtctga gggacaaaat tgttcatgga 420
ctctgtctcc aacgtctccc ccattcccca aacaagccaa tgctcaagac acctaccaa 480
gccatgggca aacttgacca tgagcaaaca atatgaatga gaacagaatg acgtaatgcc 540
gttgtgcctg 550
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<210> 335

<211> 503

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA942889

<400> 335

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tgccatggca tgtcttacct aatttcaggt ttagtgaaga catacaaagc caaggaatac 180
aatgtggatc accctctggg gccccatggc ctctctgtgg tgctcacctc tccgcagtg 240
ttcaccttca cagcccagat gtttcagag cggcacctgg agacggcaga aatattagga 300
gccaacattc gcaccgcaa gatccaagat gccgggctg tgttggcaga tgccctccga 360
aaattcctat ttgacctaaa tgttgatgac ggtctcgctg cccttggtta ttctaaggat 420
gacattcctt cactggtgaa aggaacactg cccagggaaa gggtcacgaa gcttgcgccg 480
cgtgccagtg cagaggaaga ttg 503
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<210> 336

<211> 506

<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA943131

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ggagatggca gcccaggcct gcacagcgac acacacccat gcaaccaca gggctactgc 180
cctgctcact ccttagacat gttcttgatg gtcttgtgct cctttatagc tcgctcccag 240
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ggtgcgatac caaagcccc agggttggag cgtgggggtat agaagctctg gacaccgcat 360
ctcttacaga aggtgtgctg ggctttgtgc gtgttaaattg tgtagggtgt tatgctctca 420
gcacccttca ggagtttgaa gcgagaagct ggaacaatga agtgtctatt ctgcttcttc 480
ttgcaaatgc tacagttgca gtcaac 506

<210> 337
<211> 618
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA943564

<220>
<221> misc_feature
<222> (1)..(618)
<223> n = a or c or g or t

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caatctaggt gaaaagtctt gtgaatgggtg gcacacacct gtgatcccg cacttgggac 180
agtatgggga tcaggaattc aaggctcagcc ttgggtatat aagcagtgtg aggtcacttt 240
gagtatatga tacattgctt caagaaacaa aaattcagga ctggagagat ggctccttgg 300
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ggataaagct cccctccctc gggccagggc tagctccctc tatgcagcca tccggaaaaca 540
ccacacggca accagagtta aggagatgct tcctttggta taaatatatt atatacatcc 600
aaaacatgac attaanat 618

<210> 338
<211> 513
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA943730

<400> 338
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gcggcggcgt gcgcgacgtg gggctgtcga gcagcagcgg cgactccagt ccccgggcg 180
gctggtggtg gcccgaccgg aagccggaca aactgacgct gtggtgcagc tttggccgcg 240
gctcccgggc aaagcccagg tgcagcgcgt cgcgcgcgcc aaacgctcgc aggtccccgg 300

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aggcgccccc cgatggtgcg ggccgcccgt cgtctgcgtt gtggatgaaa tggcagcgcg 360
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ggtgccgagt gaggtgctgc agctcatgga agccgtgcgc gaactggcac ttctcgccgt 480
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513

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<210> 339

<211> 642

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA943737

<400> 339

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tgcactgaaa acaatactaa aaagacagta atatattttt attctctgta tcattttacat 180
ccagggtcaa tacctaagga caactgaaga aaagaatttc tgatgttccc tgtcagttaa 240
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ttaacacagg ttaggaagaa attcaataaa atgacctcaa agaagcaagt acattcgaaa 360
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atctcctaag atcctggtca atataattac aaatagagta gacttcgtta cttccattac 600
aaacacatgt ccaatgtggt tgtaatggaa ataaggaaca ca
642

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<210> 340

<211> 557

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA943785

<400> 340

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gtcacagaaa gatgggcttc aggaggctgc cctgccccta cccgtgagca gcagagggag 180
gccccagtgc tgtgctggga cagctggatg agggcaaaga ctggggatgc tagtccatga 240
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tgctctgtgg cagatgaggg ctcatgaggc ccttgagca gcctggcctc agcccaaggc 480
aggtgccag acatgtggga gtgggacagt gggctcgccc agatgggaag ccatgtgctt 540
ggactggctg gacctgg
557

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<210> 341

<211> 554

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA943791

<400> 341

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aatacatcga tttgcagttt tacagggacc agagagctcc tcggtactac cgtatTTTTT 60
gttgcacgca cagacacgca cacaatgtca ttagtagttt ctcatctcta cacttttttt 120

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taaaaaaaaa aaaaactctc atgtgacaca gaaatctttc ccattacttt aacacagcag 180
caacagagaa aagagcaagg tgtggaggct tccagtgcag aatgggggtcc ctgggtggga 240
gaccccaag accatcggtg tatttacttt ctgggagggc agaggatggt gatggagtgt 300
tgtctacagt ggaaaccaag gattcaaaat gtacaggggc aaagaaactt aagaaaatgg 360
agtaaggcat tctatctatg gaaatctgta agtcatttcc caaaaggatt ggggaagagga 420
cccattccta attttacagt cagaactttg ggaccattga acaccttgaa gtccccagct 480
cctacttcct tacaataggg cagagctgag aactgaacga atcttggatg ccagttttca 540
agctgactgg gttt 554

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<210> 342

<211> 480

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA943800

<400> 342

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gcagacaaga ggggactctc tccaaggca gccaggagga gggactctcc tcacaggtea 180
gagcttgagc ataggacctc aaagcccac tccacagtga ctacttcct ctaacaagcc 240
atacctccta atagtgcctt tggatctctg aagttatgct ccatacttcc tgccccagct 300
ccagcggtea gctctttatc aatcaaaaag ccacattcca gcttgaacca atcagtagca 360
tgacagcgcc caatcaatct cttagggttg ccctttggca ctgaggactg cttgaccttc 420
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<210> 343

<211> 615

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA943886

<400> 343

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tattcaaaaa taaccaaaaa aaaaaaatat gtatggccat agttcacagt taagcagcca 180
aacaaaagct gctctgattg tagcctttca acagcgaggg agcttcctcc cttctccctc 240
cccttcagga agtttattca cagttccaag tcttccaact gaaaacactc tccacagaga 300
gaacttcaga gtcaatgcgt ctgtctgcaa aattgtccga taaactttgt aaagacaggt 360
atctcaagga aaactgtact tggctccaca cttaagattg cccaaagtca actgtccacc 420
ttaggctggg ctgggtccag cagtcagca ggccacagac gactcgtatt cgtaccagca 480
cctgtctgat ttctctaaca tgctccgcta tccctccact ggcttccctg ttgatctcac 540
agtggaaaag agccccacg aggtccgctc taaaagaggt ttttcagtta catctctgca 600
agagcatgtt caggg 615

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<210> 344

<211> 512

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA943892

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<400> 344
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cctatacaga gtgccagctc ctggctctca cccagtgctc caaacaacc cacacccag 180
gaggctgtctg ctcatcattt attctcagtt agcgccatct ccaaggagac ggccctctgcc 240
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ctctgacgct ggccctgtct ccatggctac acaggaggca tcacaccaca ttttgggggt 360
tatccactct gccagaaaag tgcatagcac ctgagtcctg ctgtagatg gcgaacagga 420
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<210> 345

<211> 114

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA943896

<400> 345

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<210> 346

<211> 554

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA944011

<400> 346

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gtggggagga gctggcccgg ctggctggcg ttcctttttt aggttctgtt cccctggatc 180
cccagcttac caggagcttg gaggaggggc gtgacttcat ccaggaattt cccaaaagca 240
ccgcatatct cgcactcaca tccatagctc ataaagtctt gcaccagatg cctgctctgt 300
gtcctgaca gcctcgagc cagggtcaaca ggttgctcta acagccacac cacacaggag 360
ctggcccttt ctcaccccg ctgaccctga gtgccacac atgctgtgct gtgagccttt 420
tgtgacacag tgtggtttac agttacatct ggtgacttta cagaactcca ctgttaaaca 480
tatcaccat cttgtgagga acccagcatc caaacaacc ctgtcctcag tgagatagct 540
cttgactccc tata 554

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<210> 347

<211> 636

<212> DNA

<213> *Rattus norvegicus*

<220>

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<220>

<221> misc_feature

<222> (1)..(636)

<223> n = a or c or g or t

<400> 347

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agcacaggca gctagatgag acctcttcca aactgacaga tctcgggaga gccgggcttg 180
ggcacctttc ttcagtcagc aatgaagtcc agaagaatat tcacgacttt gatggttcca 240
gaatttttaa tgaaagcaag actgttgctc agatctattc agataagcag cagatttttag 300
gattttttta ttactgattt tgttactagt ttttttttta tcagccactc tcctatctcc 360
acactgtact cttcaccttg actggcctac tgctgaagg tggagaccac gccctgtcca 420
tttaggattc gccattcct gtctcttcca actcaaccaa ccactcgatt aatctttcct 480
tgcttgagat cagttgaaag cactggagtg cagggaggag agggaagggc caggctgggc 540
tgccaggttc aggtctcctg tgcactgaag gccacacana caccatgaga aggacctcgg 600
aggctgagaa cttactgctg aagacacgga cactcc 636

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<210> 348

<211> 604

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA944157

<400> 348

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tgtgtctctca actgctaata ataaacgtta taactgattc gatcactatg aaaaccatt 180
ttgcaaattgg ctgttcctgt ttagaaaaat tcatatagct ataaaaatgg actaaaccca 240
ctttaactcct aacctacaa tagactatta acagcaaata taactggtag cctctcaaca 300
ctgtaacaac tgggtgcagc ataatgtaca caatgcaaat agaaaagaaa acagtaaaac 360
ccgaggggaag tcgattcttt tagcaataag gactattact ctgatgcttt ggaaaagtga 420
acactcatac ttcaaagtct gagtggttaag gctgaccgtc tctccctctc acatgtggaa 480
ggcaattccc tcgtgattt tgaagcatgt gcacaaccac tgtacaacag tcacttcaag 540
gttaaccagt tgtcttttgt cctacagagt ccaaaaaata tattaaccct ttccttttta 600
gaat 604

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<210> 349

<211> 686

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA944158

<400> 349

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cagatttagg cttagtagaa aagaagaacg tatactttgg agctggggat gtagctaaat 180
ggttgagcaa tatgtgaagc cctgggtttg aatttttaaca ctgaaggata aaaaaagaag 240
aaaaaaaaag ccccatgttt taaaaccctt accaatcagg caatgtggga accatgccag 300
ttacagagcc cctggacagg gcaccagact acctaacaat gagacatttg actgggagta 360
agacgttatc tacagaacac agttttattt aagtccaaaa cacaaaacca cttcctttta 420
aaaaacaaaa aatgtattgt ttttactgca cgaatacctg gggcttctca caaatgcaga 480
ttatcaacct tcaggctcaa tggttcagat acacgaattt actacatcag aggagatata 540
tataaaaaac acgtctttca acgtcaccta tttggggctt ttctctgtaa gcgcaatttg 600
tcctcgacca agaatccatc ataatgaagt caaaacctga cctaagcagg ctttgaaata 660
gaaccttttc aactaacaag aaaggg 686

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<210> 350

<211> 587

<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA944165

<400> 350
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cagaaaagaa tcaatctcag gagggagcca cactgcttcc ggaagcaggc ccgtgggggtg 120
gtagtgtcat ggggtggcagg aacaaggcct ttagcttgcc tgacaggctg gcaatctcag 180
gatcctggggc ttcgtaagac ttgaccaggc gggcaaactt aaggagacct tccccgtcgc 240
agctgaagcc ataggcttta ataacctcct gctggatctg tgtggctaca ggcagcacga 300
attgcagcat cttgcccata tcgttgacag cattgtctct agcctcgtcc atacgcacgg 360
cgttctctgg ggccgagaac gcttgatca cctccgccaa gaccaccttg gcctgctctg 420
cgctcagagc cgcaggctga gccgaggcgg acgccatagg acgccactcg gtgcttgaat 480
agtgtgaaca ctgagatccg gaggagcctg cagccagccg cctccccccac ggctgcggaac 540
tagtggaggc agaaaggaag ctgtattgca cgaggcggaa gttcccg 587

<210> 351
<211> 511
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA944269

<400> 351
aaagagcaca tgtgcatgag tttaaaaaca gaagtgaat gtaaggagtt agaaagaaat 60
acaaaagaaa tctgagacac gaaacaaaaa aaatacattc tcgagaattg aaataaaaag 120
gtatctcact tactacaaaa tcgttatctt aatgtattaa gcagtctttt gattcagatg 180
cagcacgaga ctgagttatt cattatcagg tcagaccgaa actcacagac taaaggaagg 240
accacagcat gacccaatgg tcgcaggaag ggatgatgtg agtggagggtg gagcaatggc 300
catgaggtat caccataaat aaactcacta gctcatcagc atccagcagt gagcagatcc 360
accacttcag ctggcctcct tggacgactt gcaatgaggt tcttcacatt cacagagcag 420
aactcatagt tccaaaagcg gtttctcact gtccctgtttt tcctcagctt catcttcaga 480
tcctgcttca gactcgggag gggagtaaaa c 511

<210> 352
<211> 486
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA944289

<400> 352
aaaaccaaat ctttattctc tagtttgtaa aggaaggtaa atgggttgta cgtttcgatc 60
caaggaacaa aacaagaccc agtaggcaga agtcatagga aagcagaacc caatccttgt 120
aagaatttct aacaattaga cagtagaagc aatgccttct ggaggtaacg gtgaccagc 180
accaggtgc atgggtagag gctggcatct ataccctgga aaccttaaaa aggaaatcta 240
cccaggactt tcctgcagc caacccccca gctagtcttt cacataaccc ctgaagctct 300
gaaaagagtt ggggagggtc aggggtttta acaaaatcac caggaaggcg tatatttggg 360
gaagagcggg cagataaaaa gccaggcagg taaaggagta aataaatgcc ctgggaggat 420
aatatgcaca aaagagatgg aattgctaac tgtggatggg tcgctacaca tccgggggtac 480
ctccgc 486

<210> 353

<211> 459
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA944304

<400> 353
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 agatcgacgt agactccaga tggaaagtga tttgaaagag cacagtgggt gcctgcaggg 180
 actaccagag gctacgggtg tgtctccttt acaaagggcc ttccgcaagc taacgggctg 240
 ttccctggag tggaggggaa ggtggtttca cttggtttca ttcacaaact atttggtcaa 300
 agaaataagt aaagctaaat gaaagcacat ctggtagaaa tctgcagtcg tgagcgttgt 360
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<210> 354
 <211> 539
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA944380

<400> 354
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 tcaaggtgaa aaattggcta ctggaaacca ggtaaggccc tcacaatcac ggtgtacgaa 180
 atatattcac acctgtcaga taccactcgc taatgctgct gttctgagca taagctcatg 240
 caaaaacctc gtgtatgttc ttttgggttt cgggtgacttc acaatttgct ggaagaacat 300
 ctatgaagaa aggtcttctc acaagatggt atcaggtcat ggagatcaaa ttcggtctcg 360
 aaggaaggac ttttttcaaa aataattaag gcagccagca cagccaattt tgaggtcatt 420
 cccttgatga ggtacttcga gccagtctca aggtctgtgt attcaaagca atgcaaaaca 480
 aaatggtaac cagaatgtgt gaagtgactc tggtagtaga cttggggaca gaggaaata 539

<210> 355
 <211> 542
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA944397

<400> 355
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 cagtttggtc ttcttttaga tgcaagataa cctttgttcc acgaccatt ggttcacctg 180
 tgtctgtcct cacagtgaag gatcctccag ctgaggactc ccaggcgtac tgctcgtcat 240
 cattatgctt ggtgatgaca gtcactttct cagcaaccaa atacgcagag taaaaaccaa 300
 caccaactg gccaatcata gagatatctg caccagcctg caaagcctcc atgaaggctt 360
 tgggtgcctga cttggcaata gtgccaaggt tattgatcaa gtcagccttg gtcattccaa 420
 tgccagtatc cacaatagtg agggttcggg cttgcttgtt gggaatgaga ttaatgtgca 480
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 ga 542

<210> 356

<211> 534
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA944401

<400> 356
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ctgggggctc tgggcaccca gaatccccga ggtctcatct tgacacctgg gcagtgaggt 180
ctttcctcac tgggtgcagc ttcgtacctg gacagtgggc agctcagcag gggccaccat 240
tgcccttcct aataagccac taaagccctc ttcaggctcc actctgcagg gggatgggat 300
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ctcctgtggg cttctctggg gaaggagca ggggaattcc atggaagcag ccttacacca 420
ggtcaattag gtcgcatcag gtcagctcgt cgggggcccc aggtctcagt aaagtcatag 480
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<210> 357
<211> 636
<212> DNA
<213> Rattus norvegicus

<220>
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<220>
<221> misc_feature
<222> (1)..(636)
<223> n = a or c or g or t

<400> 357
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acaatttcaa ataaaatctt gtaaaacaaa attttacaaa aatcttacia agattcttta 180
gataacaggg tgcttcaaaa aaaaaagaaa taaagaaatt tcactaatag aaattttttt 240
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tactcgctta ttattaaaat tacaggcatt gacacatacg gcacccagcc ccacccagtc 360
caacaacatc tatgtgtttc ataagtgaga caagccagca caagtcctcc ttctcttctg 420
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gttttccaaa acccagcaaa tcaagtgcta ggattttgaa ttgccaaaca aaagtgcatt 540
ttccctttaa gcaaaacgaa accagttccg tagagaaatg tattcgctcag gccagatacg 600
acaaaacaac acaacaacaa caacaagana aaaaca 636

<210> 358
<211> 599
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA944572

<400> 358
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catgcttttt caatttcagt acaatggatc caagaccaag aatacagtta caggcgacaa 180
ggctagatta caaattatca tagtcatcat catcatcatc atcgatcatc tcttcttctt 240

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cacgttttct tttgagtgcg tttgccgact cattggctgt attttgtgac accatattag 300
tagtaataag aatgtttttg gacccaatta atgatggatt aataagaaca ttctgaactg 360
ctgggtgttg aggaatggaa gcttttacag caggggactg agaagcaggc atctgtactg 420
taaacctctg ccctgtgagg gacattggag tgcctacttt agttgacaca gacatggctt 480
gtggagttgg tgtgcctagt gtgggagtag taggtctact agaaactgaa ccaacactta 540
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<210> 359

<211> 491

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA944823

<400> 359

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tgaaacgctg tgactgttaa atacctgctc tacaggaaca cttttataac agtggttcagc 180
tgcttgactg aaaggatgca tatatttcca cactgtttta cacttataaa ttaattcaca 240
ggattcatag tattacttta tagctccaaa tgggtattag caaaaaataa tacaaaatga 300
ctcctctttc aagcaacacc atctgcctca agtaaaacat attaaactac aacttgttag 360
tacacaagat ttctgtttt attatcctgg gacatctcgt gctgtgggct actgctgttg 420
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<210> 360

<211> 476

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA944898

<400> 360

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atataactac acgaagtggg aaaaaatagt acaactgcat ttgctgatga tatgtcctca 180
ggaaaaagga agtgaataa attaacaaac tatgatcatc atcaccttta catacacaca 240
aaaaggacac aggagactta ttaaagggtt ctatgatgtc tggaatcttc tactctaaaa 300
gctttagaga tttgagtttc gaaaacacca ttgcatgaac ttccagaaaa catatcattc 360
ttcacatcag cttcagtata tcagcaagca cgtttgatcat atacaaggta acagctgtga 420
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<210> 361

<211> 409

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA944943

<400> 361

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cattgtaaat ttagatcagc taaaacattt tctctaataga ctaggattca ttatcctcca 180
gtgaggtaag gtgacgtttg ctttgtaaga ggagatgtgt ggacaagctc tgggtgtggaa 240

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gagaatgagc gctgctggcc ttctccactc ctttcttcgg atagggcctc ttgttcggat 300
gaggtgggccc aggaaggcgg ggcctggctt tcagaaagca actcagtggg ttgtggaggg 360
agagtgcgtt cagctgcagg gacctcactg gatgaagata gctcaatgg 409

<210> 362
<211> 344
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA944956

<400> 362
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aagtgaagct ctcacgcccc cagatgcagc acctgatggc cacagtgaac actgtagttt 180
aattcagtga aaaccgtcct agatctcctc agatacagtc tgtaggccca cccgccgtca 240
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ttccaggccc acccaagaag gaaaggctcg agtactttgt tctt 344

<210> 363
<211> 453
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA944958

<400> 363
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<210> 364
<211> 444
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA945031

<220>
<221> misc_feature
<222> (1)..(444)
<223> n = a or c or g or t

<400> 364
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ctaaacccca gagctgtccc tgtccacttt catgtatgct aaggacctct ccctggcagt 180
cccagctgcc cagcccagtg tgtgtgaagt accctgcacg tgcctttatg aaccagttgt 240
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ggagttcaag gccagcctca gctacgtggc aaattcaaag gccgcctttg gttaccccag 360
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<210> 365
 <211> 456
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA945052

<400> 365
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<210> 366
 <211> 664
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA945076

<400> 366
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 actctatgaa ttcaaggcca gcttgggtata catagttagt tgcaggacag gcaggactac 180
 atagcaagac cctgcttcaa aaaaacaaga ataccagtga agaagcatta atgcactatt 240
 tgttttatgg atcaattgga gaacaaaatg tggagatgtt ggcacacca tgaaagagca 300
 atagtgttag cagtcgtgtt cagacctcct tgactaactc aggtagacag aggtgaggcg 360
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 gggcctcgac aatggatttt ctgaaaatgc tgaggtagaa actgtttagt ctgttctatc 480
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 tgcagtgtga caagtgttaa aaggtgactt gtgtctgctg aaacatctct gtttactgaa 600
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<210> 367
 <211> 648
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA945090

<400> 367
 aggcaagcaa aaggacattt tatagtttag agatagaact tagcaatgta caacaaaatg 60
 tctctgaacc taataaattc cagtagcttt ttaaaaagac cagaatctaa gaactaaaac 120
 tgaatctatt caaaataagt cttaatggct ttgtataaaa atagaaatga aaatacactt 180
 ttgtatgaat gggcttttat ttttaactga gggcctttca accccaaca tctcagtaat 240

```

gcatgaagga agtaactggg ggattctaga gcctcctggg ctccctacga attgcccagt 300
tccgtccacc accccatatg aatTTTTTtag agtaaacata ataaatttgc atgaaaatga 360
aggactagca gttgctgcct tgagtacttc ctaaaaagta agattgctga tgctgttatt 420
tcctatgtat gatacgtgta tctgggcaag ttgactgaat actcctaaac cctggcaaaa 480
tgctatcctg tggtttaata tcatacaatg acctgatgaa agtaacactt cccctcccca 540
acagccaaac ctttgacatc tgtgacaacc agtgaagaaa gactacctag ggctccagtc 600
aaatcctgga ggttacagga gtacagaagc tatatctgct gatacaag 648

```

<210> 368

<211> 705

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA945123

<400> 368

```

ctggacaaga atttttaaagc tttattcacc atggacccca caaaatatat acttgacact 60
gaatgtgact ataaatgaga agtgagaaaa taaaaatgat tcaaggggaa ttaggaagtc 120
aacacttact ttaaaatggg aatgaagaga cagagttcaa aaataaaata actttgcatg 180
gtcccaagtg gactagacac attcctttca aacacagtga gtgccacaaa acagccagac 240
atattcagac atgcgatata tagctagaaa tccaccttca aagaaatagg gtgttaaaaa 300
atgaaaagtc tctagaaaaa tcacaaatta ccaccatccg tttcaattct atcgggtgct 360
atttttctca cacggcaaat ccaaacccca tgtttctctg ggcatttccg gcatttcaaa 420
gccagcgca cactgtaaga gccactgtct taaggaaatc taaacagaag acaggttaat 480
aaacagtgag gtcagtgtct tttacttcgg catgctacct ccaatctcac cagaggatat 540
cttttgttcc cctcacttt agcctgccag gggatgacgt tgcccaaca cattttcaat 600
gttttctttt taacagttaa tataattcca ggatgcaagt ccatttcttt ctagaagggt 660
cctaggacac ccattgaaaa gtcaaaagca atgaaaggaa aaggg 705

```

<210> 369

<211> 352

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA945238

<400> 369

```

aaaataaagc cagttttatt ataaaaactt taaaatgtga tgtaaaagac agtcatggga 60
acactgtata agaagaaata ctgtgaggaa gtaaattggtc acaagtaaat tttacattgt 120
ccgtgaagtt taaaaataat ctttatagta aagtgtcttc agagcaccat catttgaaca 180
gaagatattt tacatatcag agttcatctt tggccttttt cctatggcat gtgcaaggga 240
agaggtcatc ctcagactgt ggctctaccc tcttcatacc ctctcgaatt tgaggctcac 300
tcacttgtaa attggcatag ccctggaaca gcttgaagta ataacagaat at 352

```

<210> 370

<211> 300

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA945533

<400> 370

```

aggaacagaa aagcatttca aaaggccatt ttaatgcaaa caaaatattt taacacatag 60
caataaagca agttcaactt ctatcatcca ccacactaga tctgatcaca caagaaaata 120

```

```

cagtgtcaac agatatctgt ccatttcact caaccttaat tttagatatt tggggagatt 180
gtagatagat agatagatag atagatagat agatagatag atagatagat aatagataga 240
cagatacata gatggataga tagatgatag atagatagat agatagatag atagatagat 300

```

```

<210> 371
<211> 505
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA945591

```

```

<220>
<221> misc_feature
<222> (1)..(505)
<223> n = a or c or g or t

```

```

<400> 371
gtaataaaaa ttagtttatt gaacagggtg gggccagctg tggtcgtata cacctttaat 60
accagcgctc aggaggcaga ggcaagtgga tctctgggag ttccaggcca gccagggata 120
catagtggga cggctctcaa aattatttga acagggtactt gagacatgtg agatgatgat 180
gtggacagat atgactagca ccctcaggtc ctccccaggg tacagcaaaa ataatcaca 240
accaacattc tttaatcaga aaggcacttg agggccccta cagagtctta cacaagagca 300
gccctgcgga ttccactca gccaccctcc cttcccatcc ggctcagagt tcatcgtgac 360
ctgtggaggg atctgctccg ggcttgatga agattccttc catggccttc cacgtgttgt 420
gtgcattggc actangcatg ccatgcacct catgctgccc acggattggg ttaccatact 480
gttcaacagt aactgacagg aacac                                     505

```

```

<210> 372
<211> 556
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA945596

```

```

<400> 372
cagtccccag aacttaaaaa tcggaaacat aaaactccct ggccctccag gcagcaggca 60
gatcagagcc cgcccatcag agtgacgctg agtcggaatc agaatttgtt ccacactgat 120
ggcacgtctg ttagaatgca cgtttcttca ggagcaggac gtgttccagt ttctgggaat 180
ttgagaagat ctggcctctg tctctgctta caggatatgcc gtgggatcac tggagtcaca 240
gttttcaatg tgtacatgca actgtatgcc agggtaaact ttctgcaggg gcagcaagggt 300
gccagcttc gctcccttcc tgatagagcc cttatactta attggcttaa tgtagaaaat 360
tttgacgcag aaacctcttc ccgacagtcg gacgccatca ttgatggcgt ttttgtttct 420
atagggttcc tcctggccca ctatcttccc cgtgaatggc gcatacacca cagatccatc 480
tgagcacagg acgtccacac ctggatgatg cctttgggtt ctttgagtaa agtactgtcc 540
acagccatag ctgtca                                     556

```

```

<210> 373
<211> 615
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA945601

```

<400> 373
aaaacaagtt tattttattga aagaatctga aaatagtaat aaggccttca ttaacaatta 60
acaaaatttt aagatattaa caatatgaaa cattaagaat ttacgtgaaa attccatgtg 120
tttgagatca gtctggtggc agctgcttct gtacttgtca acactcgctt tttagatgca 180
tggaactatgc ttcagacctt gctctcctct ggatcatagc agagcctgct gtgcgcagtc 240
acagatgaac agcacagggtg aaccgtgggg atgagccacc atggcttaac agcactcaag 300
ccagaccact tggggctgca cgggtgcccc gtaggtccca actttaacag gtagaagaaa 360
gctcagagta gtcggttcta tagcagctga caaaccttcc ctagaagcat gagacaaaag 420
cctgacttca cctggaaagc cagtcaaaga acaggcagtc ctccctactc ctgccgtaag 480
aggtgagcac aaaactgaaa gcggatacct agctgagggtg ctggggccga ccactgacct 540
cacaaaggct ccagggccag tgtggcactc acgtgcgtta cttgcactac atacatgtgt 600
tgcacacagg ctcca 615

<210> 374

<211> 520

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA945704

<400> 374
caggttttagc atcagtccttt aatgctgtca cactgcataa tgacaagtca cacacttttg 60
tcttgtgttg gtagtggcaa cttacaatga gtcgaatggt cagagcacca ggctagctcc 120
aaagaacaga tccattccct cccaggtct gactcatcac agccctggac aggcagtagt 180
tgacagggac tgctttcatc caagtgcaca ccagctttgc atggaattat aaaaacatat 240
ttacatacgt tccacggtgc tcctttcatc agaagcaaag gcccttttat caaaagggat 300
tatatctagg gctgtgcaaa attcaaaagg actgtatcct tttgagaaag ttgagtccat 360
tacacacaca catcacaca cacaaaaaaa gtcacctgca cctctgagaa gtgccagggtg 420
tggccaaagg ctacctctgg accagcaagt actgtgactg taaggcagcc atctgatttc 480
aagagagcca caggtccagg ggatctcctg gctgtccagg 520

<210> 375

<211> 594

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA945708

<400> 375
aattcattta tttaaattcac ttactagttt attaaagtct ttaaagagag gaataaagac 60
atcgccattt attttgcaa gtatttcttt aattgctgca agaattttgt gagaaattca 120
atcactctgt actccaggga agatgagtga aagtgaatgt taacttacia ttttaattat 180
ctcataaaac cttaaataaag attttaagtc gatacaacat gagttctttt aagtgaccag 240
aacatcttga atatgtttta cagatgtttc tatgagcaaa ttaaaacaca aagaaaatta 300
aaatagattc acattaaaat atctaaacag taagtgtaac actgtgagta ctagtaaaact 360
ctacatagtt tgttatattt gaacaaacac taaactccag gatggacgac ttattaacaa 420
aaacatacat aagtcacttc taaaaatgac aaatccaact tttaaatgct aaaaattccc 480
ccaagttagt ttttaggcac cagagaagtt ttctttcaaa aatttcagggt tttttttccc 540
acaagcaaag tagaaatatt aattgggact tcagctttag agaaatttag ctcc 594

<210> 376

<211> 591

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA945751

<400> 376

```
ggtgatagag aaatacattt tattaccaag ttttaagaat atttacaaaa gtgggatgta 60
acaaaaaata taaaatgtac taaacagtgt cattatacac tactttgaaa attgtcacat 120
gtttctaaga aacaattact ttttatgcaa acacagcttg gctttaagac aatgacaaaa 180
ggtatgcagg ttacacagtg gagtattact caactcccaa ctacgacagt gcctttacag 240
tctctcttta aacagcatag ggcttcaatg aaaacagagt gcaattaatg tcatggcttg 300
taaagtctga ttacagaggt acagcaaccc agcagtcact ccagttagtt tccacacaca 360
cagtaaagcc acagtgggct agtgacacac actagctcca tcttgtagat actgggtcaag 420
caaactcagc agaaatgaaa aatccattct tacaagtttt ttaaaattac tcttcacaac 480
tgctgtatga aaacaaccac agagacagtt tggaaagtct tctggaaatg cttacagata 540
tacagtacat tgccaatggc tgggacgggt gaaggacat gaaggcctcg g 591
```

<210> 377

<211> 489

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA945879

<400> 377

```
aatgaaaaag taaatattcc acttttaaatt tcagttacaa tttcaagggg gagataaatt 60
catacactaa ctttatgtac agaaacaagt taaactctga aatggggaaa tagttacttt 120
tagtctcact ctctcatcaa tactgacgtc agacaggag actttcagat ggggtgctct 180
gtcttcagtt gtgttcgtta gcatggtttc atccttagca atctccattc atcaagatgg 240
gactgggagc aagccagcct ccatgtctag acacaaacct ttcgcagctt ccttcctctc 300
gcctgtctcc taggaaggag cagtccccac ccgcatgatt ctgaagagtg tgttgatggt 360
gttactgcga atcgcatccc gacaagcact gatcacctgg ttctttggct ttccaactcg 420
cagacggcct gccctctgga ttgcttggtt caccgccttc aggtttccta acagttcaat 480
gtggatggtt 489
```

<210> 378

<211> 596

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA945904

<400> 378

```
cttggtagta actttattag ttattttttt cattgctgtg cccaaattct tgacaagaag 60
gatttattcc agtttacagt ttgaggaaca tagataggca ggcagttttt ttatgccaat 120
gtatgagata caattttgaa gccagagaca tggctcagaa ggtaagggca cttactgggc 180
aaatctaacc acctgagttt aatacctgag tcccacagtg ggaataaaga accaactctg 240
taaagttgtc ctcttacctc cacacataca taccatggca cacatatgcc cacacgcaaa 300
aaacacacat atgtgcacaa taataaataa aataataaaa agaaaagccc tttaaaacaa 360
ttttgaagca taaaggaaaa atgcccttat ttatttaact taaatttctt accccttaag 420
tattcacatt aatacatctt atagtacatg tgaaatatga caacatgtga gttatgcaaa 480
gtatactaga ttaaagagca agtcaaatag caaaggacct aacaattttg gaaatgctac 540
tcaatcctct ctttttctgc tttattgatc tgggcaaagt ataaatgcct ggaaac 596
```

<210> 379

<211> 560

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA946011

<400> 379

```
agatcaaata atttattgtg atattgggag taaatagata ttttattaac aaaacaaaaa 60
tgatggataa cagaagcaat aagtgaaggt ggtaatactg cccatgacca taacctcatg 120
gtcagaaaacc cagttctaaa gaacagctgc tgggtgtcact ttattgcatt caacctatgga 180
aaggttggtt gtgggattga agtgactcac cgggaccctc tcacccaac tggacacacc 240
tcttgctgcc tccttttggtg tataggaaga caggtgggct tctccttgag gacactgaag 300
tcacacagca aagtagcttc ttgccctcaa tgcccacctc acctccagag cgctgagctc 360
cgcatgggag cagaacagca aggatgagtg tcttgctttc aaaagctttg ggcagacaca 420
aagacaatct atctcatctc agaattgttt tcctcaagaa gtctcatgta tccttggtg 480
gcctcaaccc tgccaggtaa ctgatggtga ccttgaatgc ctgatcctcc ataacacttt 540
ttcccaaggc tttcacctgg                                     560
```

<210> 380

<211> 630

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA946034

<220>

<221> misc_feature

<222> (1)..(630)

<223> n = a or c or g or t

<400> 380

```
gaatgccaaag cgggtctgtac tttcttttat tatcaccata gtctttgcat caagatacac 60
agcagtgata gcaggtttct ttttaaagct tagtattaaa tattaaatat cttccccatt 120
ttaattttac attactctgc caagaaagaa aaaaaaaagg atttaaactc aagttacttg 180
aagcctggac atacttccat gattagccgg gctacatcaa ggcgtggctt tgtttgtcct 240
acaaagatgg gaccagggtta tacttgtttc tgaaaagtgt gctacaaaaa tggatggcct 300
gtcatccgcc aggttacaaa gtaaggagga gggtaaggga gggatatttt cttcaagaaa 360
aagcaacact taatttctga agaatcccag ttcataattt tttcccaaaa atgggtgaag 420
gaatgggttaa aatctcaaca tgagctccca cgtcctgtct gtgaaggacc agcagttgcc 480
ttgctgaggt gactgctang aatgcacatg ggaagtgtac ggcccggagg ctgtgccagt 540
gggctgaagg gtcactggtg cgattctcta agaggtttct tctagaagca gacaactcag 600
actcttcgtc gtacttcagc aaagaagtta                                     630
```

<210> 381

<211> 447

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA946108

<400> 381

```
ttgtattcat aaagtgtctt aaacaagatg ttcttttttag cagttgggga aaaaggttct 60
ctaaaaggca ttttaattctt agtggaaaaa taatattaac aaaagccttg tgcgaatgtt 120
tgaatgacaa tttgctcatt ttcttcatga attgggggtt gatagaaaat gcatatgtgt 180
cactgaaaga cagagtgtat ggtctgtgtg gttggaaactc aaaatgacat tgctctgtca 240
gtgtgtgctg tgccggcttg atggctttga tgggggaggg gtacacttgg ctggtggtac 300
```

```

ttccaaaggt gaatcttgct atgtagggtt agtggtcagg gcagccattc aggctgacag 360
aaccttggac ttctgtggct tctgtgatgg ggacaggggac atggttgact tgaatattct 420
tcagacagcc aaaaaatgag ttccaca 447

```

```

<210> 382
<211> 476
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA946187

```

```

<400> 382
ggaatgactg tggagtatta aatattaaca cacaaaaaatt aagctccagc tttagtttta 60
aatgattcta tgttgtttaa tttactttta gaatgtttca aatagcattt caatgttacc 120
aaaatcttag ccataattgt aaacttcaaa accttttact ttacttttta catgcatttg 180
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtacc atatatgtgg tactgtactg 240
tatgtgaatg ggtatctgaa aacaatgcc gttctctcct tctactgtgg ggtacagaga 300
atgaactcag gtcacaaagc ttgggtggca tcatcccca acactgaacc atcttgctgg 360
ccacttctaa tttttaaatt taccatggct ttccaatgga cattttaatt gattgggcac 420
agatatgaga gacagagaac caacttttgg ctgcatttaa agcatttact aatctg 476

```

```

<210> 383
<211> 465
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA946189

```

```

<220>
<221> misc_feature
<222> (1)..(465)
<223> n = a or c or g or t

```

```

<400> 383
accacaagtg acttttattt gtgacgctcc caggcgcagc ccagacacag acacaacagg 60
aagcaggagg tggccaagca gccactttgg aagtcacagg gcatctccca cccagctcaa 120
tccctgctac acactctgtc tcagaaaacg ctcaaagagt agggccagca tgtggttcag 180
gcatgagggg acctgccctt ccctccccag gatgaagaac agggctgggc cagccaaggt 240
gcttcttcca ctgggtccaa gagccagggt accccaggct attccactcc tgggctcttt 300
ggggttggcc cccggctgct cctccaagcc acacagttaa ggccagagtt tcactttcta 360
atgcagccca tctctgacag tctctgttcc ctangcacgg tggacacagc aagacacagc 420
acacagacta attccccagt gtttggtggg acacgaaggc aggac 465

```

```

<210> 384
<211> 532
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA946361

```

```

<400> 384
acaagttaga atcaagaaag aaaagacagt ctggggggcca accggagagg tgactaaaat 60
ccccaggccc caaatggagt ggaagtaaag ggaagagtag aaaaaaagt caatgtaaaa 120
aaacaaaaag agtccctct tcttccctcc ccatggaggc tggagggcgg accacggcgc 180

```

```

tacaccccca gccttaccac ctagcttaaa taaattaaaa cctcaaaaca gggcccttag 240
aagtgaacag gacagctgca gctcaggggg cttgggtgcca ggcataatgcc cacaccacc 300
catacccttg cccaccccc atcatcctca acagggacat cacaccaac agggctagga 360
attcaatctt attttgtctg tgtccctgca ttcctcccca ctgcagagcc agctctccta 420
tggaggggtg agatgaagaa gcgtcacagc aagggaaaag tggggaaggg tggtagaggg 480
gtccggctct gcggagcctt cctgccccat ctggcctggc ccttagcccg ag 532

```

<210> 385

<211> 658

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA946368

<220>

<221> misc_feature

<222> (1)..(658)

<223> n = a or c or g or t

<400> 385

```

gaattttaaga acatctttta tgtagaaac cagttatttc tgggtgatta taaaagcaga 60
atatattacc acaaatacat atttaaagcc aattctagct tttgtaagat tctatatcat 120
aatccattta ttataaatta catcttttaa cactataaca gctctctgaa gttacattag 180
ttgtggctga gcagaaagag aaaaacctac tcagttttca aaagagctag gcagcctgga 240
acttgacaac atacttaaaa taaagagcta aaatgtgcta aaaatagttc atttcatggc 300
gaggaacaga acatataagc tctgtgtaag aaagtaaaaa gaaaaaata tctgtgatac 360
ctggccttgt tgttgccaag gacaccagag agggagaggc tttaacaata tattagcaat 420
ggttcatatg tgaattgttc atttttcac cttaaatctt taaaatgatg taatacttat 480
gacatatcat gtgctgacag tcacaaggaa catttgctat aaatgaaagg gtcaccccag 540
acatgataac agtttacttc gatgaggaac aaagcgtttc ttagaatata tacattcttg 600
aaatttgcca acangaaaaa aaaatcagta aatcagaacc aaagaagata attagttc 658

```

<210> 386

<211> 527

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA946379

<400> 386

```

gtgaatatag tcatttattt gtctttacag tgacgatgga agaattgtaca ggtatcttct 60
ttcaataaag tataaaaatc tgtttatata cagtgaagta taataatctt taattgggaa 120
acgtatttgg tactcctgat ctgtttatat taaaactgtg ggggaaacga atatctcggc 180
aagcgctaca tttccagtcg atcgacctg gcacggaaag cgctattgca tcttaggtcc 240
tgcttggtat tataaaagac taatttgaag tcctaggatt caaaataaac atcatttgga 300
ataatagata tatacatcaa aaatacatct agaaaggcat tggttagtgc tattaaaaag 360
ctgtgtgctc aggtactctt ctctttacag gcgaaaccgc gtggaaatgt ttgaattccg 420
tttctagcaa tttgtctctg gggaaggcca gtcgaaagtt acctggtcat attcttactc 480
ctcatctcca ctgtccatgt caatgtctac ttcttcctg tccacgg 527

```

<210> 387

<211> 594

<212> DNA

<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA946428

<220>
<221> misc_feature
<222> (1)..(594)
<223> n = a or c or g or t

<400> 387
agatgtctgg acagcaaagt ctttattggg aggtagttaa tgaacagctt acgcttattt 60
catttacaaa tgaaatttgg gaataattaa aaaaataagt taaagactcc aatctacata 120
cacacatcca ttaactatct tctcctaggt cttagactag aacacaaagc aataagagct 180
gtaaccttac tttgaatagt gaggaggatc ataatacataa cttggccttt atctgggttt 240
accacgaaag cagtttagcaa acagtgcgcg acagttatgt tttagtcaaa aatgagggtc 300
agacacaata tgggtccata cggtcctatc tctttgtgac atcataagca ccttatattt 360
tttaatatct gttcaatgga actccccggg gtcatacttc tcaaaatcca tcccaacaag 420
tgggtgcatg ctgcaaatga tgatgcttgg agaggaattt agctgtctac tcagtctgca 480
aatcacatg tgggtggcct agtagttcta atgacttacg tgccaggaaa ggggtccctt 540
tccccatttg cttaaaaaga tctagctgtg ccagtgccan aagttactta cttt 594

<210> 388
<211> 680
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA946441

<400> 388
gggtcaagtt cttagtacac agcagtaatt attccaaata caatttaaaa attaatgtaa 60
tgtccctcat tcgtctggag gtgcttaatg gcgtacataa ggaatgttac tggcaacagt 120
tgtctgctca ggttgccctga atgggttttt actcagtacc accaactctc tgggaactgt 180
gagtgttaact gccagatcat aaattgttta cattcttttt gtaaaccatt ttattaagaa 240
aaaaaggtac atggacataa aatatgatta aaaactgctt ttccatagat ttctgaactt 300
gcaaaagagg cttcagttta atgtgaaaat aagcactttt tttttttaca aaaaaattaa 360
cgtattttatt agcaaggctc tttacacagc taggcctgtt catttcattt gttgattttg 420
tttttaatat agattctcaa taaaacaaag agcatagagt aaatttaggt aactagctca 480
atgccttcac gtagtaactt cgtaaggctc tcgtaagtaa ggctgtgtac tttgttgtgc 540
tccattctgt tcctgccagc atagaactaa atacaatgca ttcttgctac acacagcttt 600
acagaagggt atttatgaag ttttagaagg ggtgaatgat tattttcact cagggtgcac 660
ttaactcctt taagcaatct 680

<210> 389
<211> 529
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA946466

<400> 389
caagggttaag cgtctttttt aaagatatga gaggggttaa tagcactgtc atgggtgactt 60
caccttagaa gattaagtgt caggggagtc tgggatagcc cagaacacct ttccattctc 120
tcttctactt cacagtctaa gtctgtgccc ttaactccct gcgtgggtggc ttgttaaggg 180
gtgcattggg agttaaggag ttgtgggttc acagttgggg agaggactga taccatcat 240
caactgaggt gttcaattgc aggccacagt tgactttcag cttttctgtt ctccctaata 300
ctagagtggg agtctgagac cagaatacac agtcacctcc ttctccaaag atagcaaca 360

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ggctacggta ggccctgcagg taagggtggc cagaggaaat taccaatgcc atggcctgtc 420
ccatgaccat aattggggccc aacttcccat aaggctcttc tagcaaaggc ttccaccact 480
ctccatgatg tagccgcagg aaagacaagt ctggacagat cgatgtttc 529

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<210> 390
<211> 557
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AA946476

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<400> 390
agataacagt gacgtgttta ctctgaaatg ctgagcggca agcgagatag atttaaggga 60
at ttgagaag ccaggaaatg ttctttcaag ggtaggtcc gtgcaaacac caagtattct 120
gccactaagc tacatccaca accgtctagg ggagttttat ttaagaggca aatgtggaat 180
aagccttgaa catgggatcg aattaatgat gaaattccat ggtctcaaaa agctacatgg 240
aaggttcttg aagccaaccc tgggtggtct caaccctggg ggaaccccca gaccatttgt 300
acggatctct gagacacact ttgtgcaggg gctcaaaggt gactcaaaat gcagctgctg 360
aaagtctagc tcaccagcag ccagacggca gcaccaagcc tggagcttgg tgatgcaagc 420
ctcagaagac tccggaggct ttgtcatgtg tggctttaga agccaggcat ctgttggtgtg 480
tgggacactt gccagattt gatatcacgg ctgtgctcaa gggctcgatg aaattttgtt 540
ggctgcgtag aacaaag 557

```

```

<210> 391
<211> 654
<212> DNA
<213> Rattus norvegicus

```

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<220>
<223> Genbank Accession No. AA946503

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<400> 391
aactggggac atgtgtttat tcagcagaaa gggggagccc gttggtgggg cagcgttaac 60
acaggtggat ggggagagct gatcaaataa gagggatcag atgcttgggt gaatcatggc 120
tggtggggca gccaggtgat tctctggcaa caggaaagat ggagcggcag acagacaggt 180
gggacctgaa ccatcaggcc actgcacatc ccagtcagcc acgctcaccg tctgttcagt 240
tgtcaatgca ttggtcgggt ggaacagaga aaacgatgtt gttatccttg aggcccagag 300
acttgcaaaa gctgacgaat cgctccttca gttcatcgga cagccccttg gttcttccgt 360
acaggggtgac tttgaagtac tgtttgtttt cagaggtctt ctggaaaaat accatggcaa 420
actggtcgta gtcagtgtcg gccacttgca catcgtagct ctgtatctga gggtagctgt 480
gaatattccc caggggtgaac tggccaggcc tggagcttgg aacgaatgtt ctgatccagt 540
agcgacagcc ctggcccctg acgaggatgg aagtgcggt gtagctattg tcttcctgta 600
actcatagat ggtgctgtac atggtaaagc ggctttgtct ttctttcttg accg 654

```

```

<210> 392
<211> 437
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AA955071

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<220>
<221> misc_feature
<222> (1)..(437)
<223> n = a or c or g or t

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<400> 392
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 tgctttccat ggcaagtga aaaataattt aaaccaatta tatgtacaga ggcttggtta 120
 ctcttcccaa gaactgccag aaagatctca gccccttaag tagcaaagaa gggtcacctt 180
 taacaacat acaaaactcc acctagaaaa gtctcatgtg tagaaaggtt gtagttatta 240
 caagcatcac attttgggga caggaaggga agtcagagtg ggagacgggg gacagtgtgc 300
 agggtanggc gacacacaca ccagcccagg ggtcactctg ggtgaggaag ctacagccga 360
 ggagtttcag gtgatctgca gaggggtctc caacatctcc atgangaagg tgtcaatggg 420
 ggtatcccca atgagct 437

<210> 393
 <211> 298
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA955249

<400> 393
 tttttttttt ttttttttaca agagacagca ttcataattt atttaaaca agcatgtatt 60
 agaaaactgt catcacagag atgtatgtct tctgcttcac tggccttgac taagcctttt 120
 tcttgcaaac acctgctggg gctgtatgta tagctggatg gagcccttca ctgggttctag 180
 accacgcacc acaagcatca cagggaaaat aattcgtgta cctctgaggt aaattctaca 240
 aaaccaagag cattcagaca catgctttgg atcacaagga gactgccttg agaattatt 298

<210> 394
 <211> 408
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA955443

<400> 394
 tttttttttt ttttttttatt ttcctgggtgc aaagatttat tgctgaatct gtagtttagct 60
 aagggaagga gagcttgccct ctaccagcaa cactgtctct ggtctgcagg cttaagcaaa 120
 ggtggcagga gaagtggctg ggagatgtgg ggcattgtct ctaatgggtt aggcattggt 180
 tttcagtcct ccctcccaag ctatagggcc tgaatcagaa gggacgacgt ggtcacatgg 240
 aattgcctgt aaccttacac gggatattct ttacccatgg ttgatcaata ggggctggac 300
 tctgctctga gccaccctc agtgtggctt cattattggt catccctatg tcaataaac 360
 tgtccttcga tacagcatc cttaaccagc aagccctgcg tattgtgt 408

<210> 395
 <211> 495
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA955540

<400> 395
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 ataataaaca tattaataag aaaaaatggt tttataccaa catgttttta ttgtttgttt 120
 ctagactcct ccatttagaa aataggaacc acggtttcat taagctgtgg ctccctttcc 180
 tttaacctaa gcttagttta aggaaaactt ccctcgtaca attatgtaac taactttaat 240
 caatacatag taattatgca agcctcaata cagtagctaa ctttttgaaa atgacttaac 300

acaaactatt aacaactacc ttctttgaaa atttctctat gcaagtatca gaacagattt 360
 acttctcttt taattttcat ttctattttt ttgggtatgc cttagaaaag taaaattaca 420
 tataaacatt gtcaactact ttatttgtaa agtcaagata atggattatc tcctctaagt 480
 aattaaattt tgcaa 495

<210> 396
 <211> 387
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA955564

<400> 396
 tttttttttt tttttttgag atttcaatac aatctatatt atctcatata tatttcttcc 60
 tgactttatt tgcttgcttc tgtcacgcat ttaaaatata acagagacca aaatagagcg 120
 gctttctggg ggaacgcatg gcagtcacac gacaaaatac aaaactaggg ggctctgtct 180
 tctcatatcat catacaatat tcaagtattt tttttatgta caaagagcta ctctatctga 240
 aaaaaaataa aaaataaatg agacaagata gtttatgcat cctaggaaga atggggcagt 300
 tgggtagatt cctgtcccgt cccagggac cactagcttc ctgccactga acttccccat 360
 ggctcaccac atcatatctg caggtaa 387

<210> 397
 <211> 348
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA955729

<400> 397
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 gcaaatgatg actgatttca agtgagtttt aattaaacgt ttaagactac agatcaagaa 180
 ttgtttgttt tccagtcata tgttcgtttg agattaaaat acaagtgtaa aacagggtta 240
 agtttagatt accccaatga tttattccac aagtccaatt gatagaattt caagcacgat 300
 gtctagaact caggaccaag ggacaacat agaatcattt tacctttg 348

<210> 398
 <211> 445
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA955927

<400> 398
 tttttttttt tttttttaca ctcagttttt attttggaga cccagtcatg cataactaaa 60
 ttacatattt ttaccattta gaaaaatgca ctagaaaaat aaacttttgg tcaacactga 120
 agtaggtgaa cccaccacgt gtgcacatac tcaaagccaa actgaatttc agtttggagt 180
 aaggaatgtg accagggact aaaatggtgg cctagattgg tcaggaaaat agcccagttc 240
 ccacccatca gagagggtat cgaggctctg gccactgaga agtttcaagt attctacctg 300
 ttgggttcct atgccgagaa gctgaggcac gtccacagga acccaaagtg gctactacta 360
 actgcctgat gggaaaaggt tgaaaacaca cataggaccc caggtaactg aaaaccagta 420
 aatttgggtca caaacctctg tgccg 445

<210> 399

<211> 306
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA955986

<400> 399
tttttttttt tttttttacc agcgtaagag gtacgcgttt attaagcacc cagatatggg 60
aggaggatgc ctgaagcaga gccggtacgc accggctgcc tctctgcctt acgcctgtgc 120
gtacgtcact cgcaaggaca cctcagaagc tcagcacctg ggctccatcg gcagcttgag 180
tgaggtagaa cgtggctgtc ccgctgtact gctcctgtat gtgatgcacg acaagggggg 240
caacagaggc ctccagcaac gtgacagtgc agccgccgaa gccaccgcct gtcatgcgac 300
tgccgt 399

<210> 400
<211> 392
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA956170

<400> 400
cggccgcaat tgtttttttg tttaattcctt ttttttttta aagggttatc tgcggtttat 60
tatgaaagga aataaagggt gggatgtgga agtgggtgcc cctggacaga ctgggttggg 120
tggacctgca cccacatagc actgtcactg tgaagatcac agaagaccaa caacctccag 180
attggtaatg ttgactttag cgtctactca tatagccagt gtcccgcgct gtccctcccag 240
cacagaagct catcctcacg gaaccaaaga gcgatctctc tctgagcact ttccaccgaa 300
tcaactgccat gaatcacatt cttgccaaacc tccacacaga aatcaccacg gatcgtaccg 360
ggcgtggcgt cccctgggtc agtggcccct at 392

<210> 401
<211> 283
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA956247

<400> 401
tttttttttt tttttttgag acatcacact atgcaaccct ggattgctat gacggctagg 60
ctggctggag acccatctgc agttcccacc aagttctggg atcaaaggca tgcaccacca 120
tgcttcgctg tttttacttt ctaaagagga aattaaggag gagtaacaca agaaatttca 180
acaaaccaga tgcttttgtt atgaaaagcc aggtttttct caccagcca ggcatttaat 240
ttgatagcca gaataaaaac aggaccagag aatgaggttt tcc 283

<210> 402
<211> 501
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA956278

<400> 402
tttttttttt tttttttgca tttataaaaa ctgcagattt attcagcgag ggcccgtgtc 60


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caagaagcta tgggtgtagaa gtcggaggac ctatTTTTcc tcttctctc cccctcactt 120
cgtcttctctg gagggcaaaa atggtctgga ccctgaaatc ctaacccaaa taaaaaaaaac 180
cacaaaactg aggttccaaa aaagttaaag aatcttaatt ccttatagaa aagagagagg 240
agccaaggca aatggggagg tatcccaggg gtgggggaaa tgccccctac ttggtgggat 300
accctctctc ttacatagct gcctctgatg ggacaaaagct tggggtatag catttaaaaa 360
ctccacacc ccattttatc aaaaccaaag agaacaaaaa atttcccttc cccccacaaa 420
acccaaatat atatatatac tttttcttaa aaaaaaaaaa tccaaggcat taaagcgta 480
aagtgaatcc agaacaagag a 501

```

<210> 403

<211> 379

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA956301

<400> 403

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TTTTTTTTTT tttttttcct aagaaaatac caaggcttta ttttctctta taaagatagc 60
cctgcgtggt gaggggatgg aaaggcgtac ataattctca ggagtaaaca tgatttacct 120
gctgaaggct tcacaccgta atgctcaaga gtgatataca ggggaaagggt gtatgtaagt 180
gcttctatct ccacagacag aagatgcgaa gtaaacaaaa tagaatggat ttaacaccag 240
gtgttccac ggggaaaaga cgactttaaa gctcatcagt tgggtagaag acaacagagt 300
cccaccaggc tgcaccccca ccctctctc aggctctgga gtaggtgagg catgccagt 360
tggaatgccg acgagagca 379

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<210> 404

<211> 426

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA956431

<400> 404

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TTTTTTTTTT tttttttaac caaaaccatc tttatTTTT tagtctttaa aaaaacaaga 60
caaaacaaaa ctcttctttt cccaaaataa ccatgattag cttagaaaaa tggatgtata 120
tcttcaaagt gtttcccttt aacggaaact tcattttata gaatctaaac attaaagggt 180
tgaaaaacac aaagccagaa tccagcataa gtcaaggaaa tccactcata cttcaggccc 240
ttctcctcca ggaaccagca ttgttatatt atttccattt agtagaattt gatctaattt 300
tgtaattctt ctctcttctg gtgtaatttc aaactctgtg acatcttcca acaccatatt 360
gacaaagtca tcaaatacta aaagtgtacc cactgattct ttatcactct tcatacaaat 420
gtgaat 426

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<210> 405

<211> 446

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA956723

<220>

<221> misc_feature

<222> (1)..(446)

<223> n = a or c or g or t

<400> 405
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 tctactgaggg aagacagggc aggaccgagg aggaacgatg ctacttggt tgccatgaag 120
 acatggcccc ctcagcttac acagcccagg cccacgtgct tagggacgga accaggcgca 180
 ggccaatctg aaatcctggc atttgggagt gggaaggaat atcaggaagt cgccatcttt 240
 ggttacatag caagtttgaa gcgagattgt tgcaaatgag atcctgtgtc aattcctcct 300
 ctctctcttc caaggggaat tacatcccg aatcacgtga gcattanggg tcatccccct 360
 gttctgtgcc tgggcggatc ttccggtgtt tctctccata gctacagtgc ctttggtttca 420
 gtctacaaac tgttacacag taactg 446

<210> 406
 <211> 425
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA956864

<400> 406
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 acaagagttt ggggctgaac aacagagctc tgggaaggca ggagcctcct agatagcaaa 180
 gggaatgtgc ttggagtctc acttcgggtc cagaatgaga cccagcagtg tctcccagaa 240
 ctctgggtga tccagtatac tgcctcttca ttctccacca ctgacagaga taggccaggc 300
 cccagaccac agtaaaaaa attgatcccc agaggttaga gctactccct acccccagacc 360
 cctggcacat acacagattt ttggcagtg tggactgggg aggagtaagc ctcagctcca 420
 ccagg 425

<210> 407
 <211> 540
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA956910

<400> 407
 tttttttttt tttttttaaa atttcatggt tattcatatt ttcaaaatat atgtacataa 60
 aaaaggaaga tttacaacag gaaagattgc cttccatgca acacaaatcc cgatgactca 120
 tgatgggtcc tcacaggcat gaaccaccaa ttcgagccca ttctcaagt ccacttccca 180
 gccatctgca gctgtgggga gcccaggaaa gacacttcaa gtggaatgaa tctcaaacac 240
 cttctcctct ggcagcgtgt aaggggccag aggatgtaca tcaaaagctt aagacaatta 300
 aaatattaag tgccacagga aaggatcaat gataagcagg agctgtagtt ctcaagtagg 360
 aagctactat ttacacaacc tcacaaccta aacaaatata agacgaagag ggctgggcag 420
 cacgggttca tttgctcccc tcctcgcttc tgataaacac ctcgaaatgg agaccgccga 480
 gctgacagca aacgttctat ggagagaatg ggggtggggt cgagtggggg cacacgcaca 540

<210> 408
 <211> 386
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA957003

<400> 408

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tttttttttt tttttttaag atatgacgac tttattctgt aaacatatcc aaggggcccaa 60
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ttatcaccaa cacaaggaac tcttcgaagt taattgcgtt gtcactattg acgtccaatt 180
ctttgaacaa gctttcggta tttttattct gcacaaactg agggcactca gtagtgacca 240
ttttcctgaa gtcacccctg taaagggcat ggtgattccc ttttatacca aaataattgt 300
ggtaaaacttc aatgacgttg ctcaaggcct tctccaattc aattgccatt gtcgataaaa 360
atttcctttc acacaaggtc tggacc 386

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<210> 409

<211> 421

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA957071

<220>

<221> misc_feature

<222> (1)..(421)

<223> n = a or c or g or t

<400> 409

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cggccgcaaa gggtttttttg ggacaacaag tttgaccatg caatggtagc ttttctggac 60
tgtgtgcagc agttcaaaga agaggtggaa aaaggagaga ctcgattttg tcttcctgac 120
aggatggacg tggagaaagg caagattgaa gacactggag gcagtggcgg ctccatttcc 180
atcaaaaccc agtttaactc tgaggagcag tggacaaagg cgctcaagtt catgctgacg 240
aatctcaagt ggggtcttgc ttgggtgtcc tcacagttct ataacaagtg acttgctcct 300
tacgggatat ttgccttttaa gggttttacct tttgtttggg ttggaaagat gcttttaatt 360
aaatttgggt aatattaaac cacatgttta caatanaana aaaaaaaaaa acctcgtagc 420
g 421

```

<210> 410

<211> 392

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA957202

<400> 410

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tttttttttt tttttttcac atttcatcta tttactgtgg atgtcactgt caccatccca 60
gccactggga ggggcacacg gctttaaccc ctgtgtgcgg agggcaaggg tgaggcatct 120
gagattacaa aactggctat gtacatgggg catcctgggt ttgagtcgtc tgtgcacaca 180
tagtgggcat aggaagtctg gggctctaaag ctcaagcagg gatagggtga gcgtagactg 240
gggcacccca ccaggtagag ccgtcccca cctcaagca tcatcaccat ggagaccagg 300
ctccagggaa accccctagg tttctccata gagacagatt ggcacttagg gatcgccaca 360
aatggggcac tgcgatttct acaaagacag at 392

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<210> 411

<211> 265

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA957335

<400> 411

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tttttttttt ttttttttaa aagggtttctg taaatatttt attttccata ttttagaatc 60
agaaagaagc atgtggtaat aaaaataata gagaattatt ttcttcagat agtcccgcgc 120
tgctgcgaac cgccagcccc tccagtccag ccccttccag ccagctctca ccaggcctcg 180
cggctctctc atgagcagcc gctgaccggt tatcagtcct actatgtaca gatattattac 240
aaggcaaaaa gaaagcctcg tgccg                                     265

```

```

<210> 412
<211> 557
<212> DNA
<213> Rattus norvegicus

```

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<220>
<223> Genbank Accession No. AA957410

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<220>
<221> misc_feature
<222> (1)..(557)
<223> n = a or c or g or t

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<400> 412
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tgcaagttta ggggatccca agacccttc ttcaattgta ggaatgtgcc atctcaagac 120
tctatagtca aactgtaaag aagttcagat gtaaagaaaa atgaaaatgt aatttcttca 180
taaacgttct gttactacta atcacatatt ctcttgtaaa ccctgaaaaa tttccctgta 240
aagcaaataa tatatatata atatacacat attatatata tatagtgtgt gtataaagta 300
ttggtagctc ccttcccaa gagatcagct gttttcctta atcatctctt attagtgtcg 360
acaaacagct aagatacata ttactttgag aattaaatac ataattgtga aattcaaaca 420
agccaaaggg caaaagcact atgtggatgg cacacctgng gtacatcacc agagtatctt 480
tctttctgcg ttgccacctc cctcttttgc agactgactc tcaccaaacc cctcttttat 540
tgcaagcaca gcctcca                                     557

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```

<210> 413
<211> 454
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AA957433

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<400> 413
tttttttttt agtgccttta gttccagaca ctgtgcggag gatgttacag ctttaatttta 60
tcaacagttt cctaaagtgg acaccactct gttagcttac agaacaggaa gctgcagccc 120
agggaggtcg agcgactctc tcaagattat ggtgctcata aatggagcca aggatgccag 180
ccaccgtgct gccatgctgc cctcggaact ggagccattg gttactcttc tcgttgctat 240
gacgatatac ctgacaaagg caactcaagg aggggaagggt ttctttggat gacagctcag 300
gaatacagtc cgttggtgta ggagaggtgt ggctgcaaga gcaaggaagc tcacattgca 360
tccataatca ggaaccagag aacagggagt gctatgctgt gtcacaaaaa gctcagccag 420
ataaaagtgc tcagccaaaa ccaaaaaaaaa aaat                                     454

```

```

<210> 414
<211> 337
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA957452

```

```

<400> 414
tttttttttt tttttttcac gttctgctca ttctgtcggt ttattatcca attgtccggt 60
acagtcccgag tcgctttaca gaaccaaccg tttccaccgc tgacactatt gtaaaccaca 120
tcggcgaggtt atacagaaaag ctctgcgttt caaaaaacta gacgcttttag taacaatatt 180
acaaaggctt tagcttcaaa aataaccgaa aatgaaaaaa ataaactttt aaagaattag 240
catcataaaa ttaattttatt ccaagtataa atacaaaata atattatgac gttgaccaga 300
tatgaaagtc cctcccagaa acaactctag taatgat 337

```

<210> 415

<211> 555

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA957708

```

<400> 415
tttttttttt tttttttctg ccagacagtc ttttattaca tcataaaagc aacaaaaggc 60
actagatctt gcaaaatatg ctctgaccaa ctttctgaaa ttaaaaatgc ataaccacat 120
ctgtaagatt tttaatgaac aaaagagtta aatacaaaact ttcatatgca aaatagatga 180
ctgtaaaccg ggcaacctca gagccgagca cgaatctctg cgaaggctca gtggggctgg 240
agtagagcat gctgctgagc cagacttaat tcagcttcat atatatTTAA aaaaactctg 300
aggaaaaata ggcttaaatt gaggagcatc tcctgaaata cagctcaagc cagcccttac 360
cactgtgagc gcaggtcac caacctcggg tttgacattt atggtcacag ttactttgaa 420
tccagtttca tgaggaagcc aagctacttc agttctagag aagaaagtct tgaagatgag 480
tgtgccctgc tgtgaagact cacggaccac gttccttggc cactttccat gaactgtgcc 540
cgtgtcatag catca 555

```

<210> 416

<211> 497

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA957906

```

<400> 416
tttttttttt tttttttgcc agttcaagaa atttatattg aaattttttc ttaagaatac 60
acgtgatttt acaaggctcat tcatcatagc accaggccca atgttccatg atagaaaaca 120
gtcaagtaac aaacgctcca gggagtttcc tatagatata aattatgcaa atatccattt 180
atatcttcat ttacaataat caataaataa gagcgcacat tcgtacattt tttttacaaa 240
gatccctttg ttttttttat aaagctataa ctatgcacag ctaaatagac aaaataagcc 300
ttgtaccaca aaataacatt ttgcttttgt ctccaaccgt tctgcaactt tcaggcacia 360
gccacgaggt cctcccactg tgccattaag aaaacatcaa gtctgtcaac tatatcccag 420
gccaaaagac aatgagacac cggtcagtct tccaagggtg tactctgaac agcgtcctgt 480
atccaggcct aacaacc 497

```

<210> 417

<211> 525

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA963369

<220>

<221> misc_feature

<222> (1)..(525)

<223> n = a or c or g or t

<400> 417

```
tttttttttt ttttttttatt ttatcattaa cgtttattga tgggatggat aaatacagat 60
tgagaaacat ccttgacagc aagatatcaa actgatagcc agactataaa atgtatacaa 120
tattccttctt taaatttttt tgcgttttta aagttttttt tacaaagagc ccttatgata 180
atggtcactt ccattgtact gtcattcacc taacagcagt agagatccca ggagtagcac 240
ccaaaactca ggtgccccac agaggacaga agcaacagca gaataatatg ctgagcagta 300
caaaaanaaaa aatcagacaa aaaaacaaaa cctcaccaca caattgtacc tgagtacat 360
aaaccggtaa aagtgtgact ttgctttttc atttttctct tctttttgtt ctttggctctg 420
ataagaaaat gaacagtttt gcgtgtggca agtcaggtaa taaagatcag tctccagttc 480
agaaccctaa atcacaccta caaggctgct gcagcactgt ttctt 525
```

<210> 418

<211> 328

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA963372

<400> 418

```
tttttttttt tttttttcca tttgttcaga tcagcattta tttgtaggaa gcggtaacat 60
ttacaactgg tcttcaggca ggaatatgga gggccacctc ccgaggccgc cccagggagc 120
ccagccctcc tggggagaaa gtagcttccc cgtgctccaa ggactaagcc tctcctcaac 180
cccaccccaa cctcgtgtcc cagggcccaa ggcttcttgg taggcctctc tggaagtcag 240
tccgcgggct ccttgaggat aggggttttc ctgcagctga gctgggtttt ttgggggagg 300
gggtgtgtgt ccacagtctt tctcttct 328
```

<210> 419

<211> 345

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA963703

<220>

<221> misc_feature

<222> (1)..(345)

<223> n = a or c or g or t

<400> 419

```
tttttttttt ttttttttga ttttgactcc tgatttttatt attcaatttc tttttctact 60
aaaagtagtc ttcggtggtt gggaagcctg gcctcccaac accagagtca gtcggagctg 120
gtttttttgt tgaaaggagt gggcgggtgg gtgggggacc gggatgaggg cagaaccccg 180
ctctgctggt agtcttgggt ggagaagacg aactgcactt gacagagcct ggggtgcggt 240
gggagggggg gaggcangag tgacaagctg gggaggggac ccacctcagt cnccagctcc 300
attctcctct aatgtctctc cactggtggc gttctctgca gtctt 345
```

<210> 420

<211> 477

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA964004

<400> 420

```
tttttttttt ttttttttcag gaaaattgat ttattctggt tacataaata ggtgggaaac 60
acatagttaa ccttccaaaa tatttttatt gttgcgaatt ggtaatttta ttgctgtctc 120
ctttgggaaa aaaaaagtct caaaatttaa cttcccttgt tgcaaaagtg attttgaaat 180
gccatattat tcattaagca ttaattaaag aacagcagga taattactag gatcatcaat 240
attaccagaa acattagatt gtcccagaag ggggcaactt agcttgaaac tataattttt 300
ctcaagtagt gctgacaga gtcggggcag gggaagacat ccaaaatgac tcttaggggt 360
tgtaacttta aactattgtt tggaaacacg ctcttccatt tttattttat taaggaaaga 420
caatgggact cactttgacc cagtagttat ccagcttctc ataggaggga agtgacc 477
```

<210> 421

<211> 187

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA964139

<400> 421

```
tttttttttt ttttttttact gagaatactt tatttgctgg tagaagttgc taaaaatgta 60
cagaacaaag accaatagaa atgcactgt atttgaatct cactatccta tagaaaatga 120
acgggtgtaca gcatctgttg gaaaaatggc tgcattgggca ctttaaggcc aacttataaa 180
taaaaaat                                         187
```

<210> 422

<211> 281

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA964181

<400> 422

```
tttttttttt tttttttaag aaagtatttg gaaataaagt cagatggaaa attcattttt 60
aaaattccca ttttgtcact ttctctgata aaatatggcc atatctcccc tatttagccc 120
tatatatcat tccagtggcc ctttccagac tggactgagg aaataggaat tggtttcatg 180
cctgaggctg ttagactttg gaggtggcat agcctttctc acctggactg cagggcctgg 240
ctctaagtca cagtgtctct ttctccacac tgttatccaa g 281
```

<210> 423

<211> 531

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA964275

<400> 423

```
tttttttttt tttttttaaa taagtaagtt tccgggttct catattttct ttttctttga 60
atatattgca caacatttta ttattagaaa aggctttatg tctcaggcaa aaagtttttc 120
tccaccacag aggtgctaatt gtgtgtgtgt ctctagaaga ggtaagtggg tgtctgtgtg 180
gccatccgca aaggggacag aatggacggg cttgtaggat ccaagtctga aacgacagca 240
aattattttcc actataaatt ttccaattcc atgtaacatg cctgttggtg aaaagattcc 300
tccaataata ccacagagtc ttacaaaaaa ctgccagaaa ggcattgtgt cctcagtgac 360
tgtcaccatg tgagaactga gatcgtatct cataaatatt ccagagacgc cgtggctgcc 420
```

tgcagcatgg ttgatgatgc gttccctttc tgtcacagag aactgatggg tatctgcgga 480
aatcttgtat gtgtgtagct ttgttggcac aactgtaatg aaatattgga a 531

<210> 424
<211> 458
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA964302

<400> 424
tttttttttt tttttttgag gtcaaagaag tcatcttttt atttgtgtct gtgtgccctg 60
cgtgggcccgt gtatgtgagt cagtttaggg gtccaggcca gcccctgcta gacgccacta 120
cagctcagag tgggtgtcgg ctgcctcaga tatgagctgc aaggctgccc ttggtgctgg 180
tagggcgctg gcctgattgc tgtgagctag gtgggatgat gcccaaactg ccctggggac 240
agtaggcacc gactacctgg gaccatggct gggttgtgtg catccagcca ttcattgtgtg 300
caggctgtgg ctccctggcac actgcacagc tggaagatca cattgactgt ccttgtgtcg 360
gctgccgaat caggtgaagc actgagctgg gggtagaggg ggtacagggc ttgttgggct 420
gcgtacttct gtctcacact cgtgcattca ttccttgg 458

<210> 425
<211> 438
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA964336

<400> 425
tttttttttt tttttttgat gcttttaaatc taagtttatt gtgacattaa aaaaatccag 60
acaaaggcag acaaattcag ctaacatggc ccacactcct acagagcaat gaagattata 120
gcatgctaaa tccaattatg tggtaggaat gacatgtaga atcacagtag cgtccacccg 180
tggctcacac agttcaattc atcagaactg tgctcagtag ccagggtgtcg aattattgca 240
caagcttgcg ggcccagcac gtccctcca ggcagcgagg tctcctgcct cattctagca 300
tcaggaccag aaagtacagta ccagatttta cagtcacatt tatggaatcc ataacaaact 360
taatttactt gtctaccaac ctactctcgt tagaggtccg cagatgcact aattggtaac 420
cttcattatt atactcac 438

<210> 426
<211> 363
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA964368

<400> 426
tttttttttt tttttttcgt attaatacaca atttattgta aagtcatgaa aggccagcaa 60
cagtcagtct ggacaatact tgattgcacc cagttgatgg gatgtggaca gcagcactga 120
gttacacgat gagagcaaca cttcattttc cacctcctag gaaaatattg gttagataag 180
gcaaaggacg ggcagctact gaacggtgat attaaccatg caagaacaac acataggtgt 240
gcaataaaca tcattgctaa atcttgggtt gaataggcaa gggataaaat ggatttcagc 300
caagaatttg taacaattaa tgcaaaagat tttaaagaat gtcttgtagc tacctttaca 360
tta 363

<210> 427

<211> 477
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA964379

<400> 427
tttttttttt tttttttcag ttaagagttc gtggcttgca ctgattacag gctgactgga 60
cccattttatt agtttttcaa aatgctgtcg tagacctgat agatgtactg agagacttca 120
ggggctctac acttcagcga cagcgtataa ttgggggttc ctggctggat ccgcagctct 180
gccaaaatcc aaatgccatt agtgagcttc agggactggg acagcatgtc ctgcccctcc 240
acattcctct tggcgatagt gtaaacattg ttgttttgca acttgctgga aactgtgtca 300
gcgttttaaat gacactcctt aatctgaaat tggagctcat tttcattggg aatatacttc 360
cacgtcgcaa ggaagacctg gcgttccatt ttgccatctt ctacaaaaag cacattgagt 420
gggatgaggc agctgaagta gaagacatca atattgtttt taacagccac ctgcaag 477

<210> 428
<211> 498
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA964455

<220>
<221> misc_feature
<222> (1)..(498)
<223> n = a or c or g or t

<400> 428
tttttttttt tttttttcgg cttccattca tatttaatca cgttgaaatc agtctaacat 60
caagacatac atgtgagcac aaggagctta gccatggata gacgtgtctg tggacagggg 120
cactgcagga accatcgcac ttaagctcgt gtgagaccca ggcagctctc gtcattgttc 180
cttggcttaa ggagaggtag atcatcagca ggaaggtana gaggacgctc ttcaacagag 240
tagccgagga cagggttctg tctgatacga acatccgcag ggtgctagca ggagcacacc 300
tgtcatacag cctgccc aaa acggccacta gcattctctc caaaacatc tcagggactg 360
gcaaggggca agcgtgacag aactgggata gatgtttcta gaaagcagtt catttcacag 420
aacctgctta acgggacagg acgcccttct aacggacctc tgcacacact agaacactag 480
agcactgtcc gcctcatc 498

<210> 429
<211> 367
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA964514

<400> 429
tttttttttt tttttttcaa gatacaaatt cattttatta atattaactt gtaagttatc 60
cagtcctgac agtgtgttaa aaatcacctt ttaaaaagac catgtagaca ttctgtattg 120
ccagaggcca gggagtccac ttggtgaggg gaggcccgcc acggccacct cattcattag 180
tcaaagcagt cctgaggtgt atacctgggg tcctcttcag gggctcttggc tttcacaagc 240
acttagttcc atttgatctc ggcattgcct tatacacagg agctctatca cgtgttactt 300
cagagtgagt acagggcctc gggtagcctc gagcgcttcc tggaatctgg aattggccct 360
cgtgccg 367

<210> 430
<211> 537
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA964688

<220>
<221> misc_feature
<222> (1)..(537)
<223> n = a or c or g or t

<400> 430
tttttttttt tttttttctt tctctcaatt ttccttaatt ttattaaatc accgctggga 60
aaccagcag ttgggaaatt acataattat gttagagttg ggtagatgtg gtaaaagcag 120
ccacatctgg gccagctctg gactcgagtt acaagatact ggttcctgtt agttatagt 180
acaaaagcag tcattaaatt cttgagattt agacatctcc tgtaaaaaaa atcagatttg 240
ctaaaaatgg agagagtcca agtgacgtac tgccagggtg caacagtgtt agcactcaac 300
aggaagtcca tgccaaaaaa atctttttta aggcatagtc tcactttgtg ctgctggctg 360
cacctttcct ggcaactgct tagcgaccag gtcttgngga aaacgttccc gctggggacc 420
tgaccaactg gcaaaccagt gaagaacaca cttcatctcc tgggaagtga tgtaagacat 480
tggagggggg gaagagttgg caatgtcatc aggcactgag ggtaacacgg aaggga 537

<210> 431
<211> 437
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA964752

<220>
<221> misc_feature
<222> (1)..(437)
<223> n = a or c or g or t

<400> 431
tttttttttt tttttttagt tttgtaaaca gctaatttta ttccttgata ccaattgggt 60
gttcatgata catacttttc tgcaagaagg caatgaatga aataaaggca tagaggggaa 120
attggggaaa aaccacaatg tagtaggatg tcacttaatt aaactcgtac ttgattggct 180
agttgtttta gttacaattt caagtcttat agatacagaa ttctactttt tttccagaac 240
aaacatatat gtccttaaag acagtggggg agacaacaga tttttaactg ctgagcttct 300
tacttctaag gagaacagtc aacattgtta cttcttgctc ttcacagtct ggaattcatg 360
tgggtcatta gcttctccaa tttgattgct anggctatgt ttcctttaat cttcaacttt 420
cctgacataa atgcat 437

<210> 432
<211> 404
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA964892

<400> 432

```

tttttttttt tttttttgca aaaggcaatt catcttttat tggatcagga gcgccatttg 60
gagtgtgcca ttatgggagg ctctgtagctg tctgtccttc tccttcagca aacagaggcc 120
aacgaagcgg ggtgtgttta cgcaaattccc tgtaaggcac tttacggttt tcatagtgga 180
cagtgaggta cataggatat aattctaggg ttcgttgctg ttaacaatac aaaaggaggg 240
gagaggagga caaggaggga gtagcaccat gttgtgacgg cggcagaggg gggcatcact 300
atgttcttct catgcacact tggcagcggc tgacatgcgt gcgcagctcc cctgccttca 360
aggtggacgg cgtgggcttc ttgaacatct cgcttctctc tatg 404

```

<210> 433

<211> 380

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA965031

<400> 433

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tttttttttt tttttttaac ttttttttcc tccaagtttt gacaccattg aacatgacct 60
tcagaaatcc attccccagt catgaaaatg tactgtgcta actttctttt ccatacagga 120
aacacttata gtcatacaaaa atagtgaata aaaaatgcct ttgaaaacct ggaaaaaaaa 180
ctaaaaaaga gaacaagaaa ggtcacggca gggtcagctc cccacaggca ctggtggcca 240
ctgtggccag gccctcggtg gccacagcag cctgctcccc gagcaaaggg agcccacaat 300
ggagccctaa agtatgatgg catttcagga taagaggcaa aagaggcctc ccctcccagg 360
agaaagaaaa gacacttggt 380

```

<210> 434

<211> 201

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA965075

<400> 434

```

tttttttttt tttttttgct gctgcagcct agacctttat taaagggtgac aggtcaagct 60
atgctgagga agagcagctt aggggtgggc atcgaggatt ggcactcaca ggaggatgaa 120
tggctttctc ctgttttctc tggcctcacc cctgctgcca gtctcctttg atcctgttgc 180
tctggctgct ccggctgtga c 201

```

<210> 435

<211> 498

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA965122

<220>

<221> misc_feature

<222> (1)..(498)

<223> n = a or c or g or t

<400> 435

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tttttttttt tttttttcga aagccacctc tttatttcgc attcctgccg cgtgaccagt 60
ttgcatgagc tgggaatgag agggttgtgg agggaaaggc agagtgtctg ggggcagact 120
ctctggaaa tagtagatgc acactgctca ggcaggttag actggagaag caatttcacg 180
ataaaccta cagaatgaga aatgtacaaa gttgttgggt ggctgctggc ctcttgctc 240

```

```

cccatggggg tcagggttac acccatcagt cctgcacaaa ggtcctgnag ttgacctgng 300
gagctgcaaa atcttccctg ngggacaaga acagtcttgc tcaccagca gatgtgcaa 360
cgaataggca catgggtgtg tgcccagttg ctgtgggttc cccctcaggt tccatagctc 420
ctcaggtgtg tcttctctct gcctctatgt cctcccctta aaggtgttca tacaggtgta 480
agtccccgag aacctgtg                                     498

```

```

<210> 436
<211> 519
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA965190

```

```

<220>
<221> misc_feature
<222> (1) .. (519)
<223> n = a or c or g or t

```

```

<400> 436
tttttttttt tttttttgcc aaggtatata cacattttat ttaaaaaagt ttacagtttt 60
cattatacac aactattaag gaggttatag tcagaggagg catttgtcca ggtgacagac 120
atgccacta gatcatcaca atgcaaggaa ggcggaaggg aggagatagg gccagggggg 180
gaaagcagta aaaagcttag atttcaatta agggctggta agtccctttt ctcttcaagt 240
atcacgcatg tgtaccaa ataatcagta attaaaggcc atttcttccc acaccacag 300
ccgagtaatt gctaaaccaa gagccctggc cactcctcag gtgagcaaaa tgctgcacac 360
catgggtccc caagggccat cacaccatcc aattcctaaa gagctggcca aggtgttcag 420
tggccanagg aagatgaaca tggattcaga agtccaaaga atgcagttct ttgtgcccaa 480
tcagaaatga gttggtttcc ctctgtgccg attcttggc 519

```

```

<210> 437
<211> 414
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA996451

```

```

<400> 437
tttttttttt tttttttggt gaaccaggaa gctttattta cacagtaaaa gtaacaagca 60
aattcctgag actagagcgg ctgtagtga agacagtcgc ggctgtggg ggaaggcagg 120
cagtgggtgt cggtgctagt gagaagacct agcatgggct gccgtcctgg tgggggctg 180
accaccgcac cctccgttca ccacactgcc tgaaacagta ccgctgagca cacgtggccc 240
tagcacagcc tgcaggcca tctgtcctg acccctgggc accccgcaa cactgacaac 300
gcacttcatt tgccaatgag actatgctac tgtcaggcta ccctacctag cctaaagagc 360
cccaacagcc tgcaatttaa agtatcttcc ccttctcct tcaaggtagc actg 414

```

```

<210> 438
<211> 258
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA996727

```

```

<400> 438
tttttttttt tttttttaag gcttagttca tttattacag caciaatatc tcagaacaca 60

```

```

ctgtatcaga aaagacctgg cagtaaatct aagacaaaca gtttccactt tccaagtttg 120
cagtcggtca agcaggacat agatgcggag cccttttcaa atgacacagt tattctgaaa 180
gtttaagggtg ctacaggaac atacaacca ggacttcatt gtggagagga gaccagattc 240
aaatctgcct tcccgggtt 258

```

<210> 439

<211> 203

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA996782

<400> 439

```

tttttttttt tttttttgca gttaaaatca gtgtttattt gaatgtacaa aagttcccag 60
tagtaaaatg tatattacaa atcataggca gaaaagaaaa agtgggaacac gtttggcatg 120
catcttataa aagaaaggat ctgtagaagc tgagcaatgt gtgcagtgc ggcggctccc 180
agtagaagtg ccactccggt aac 203

```

<210> 440

<211> 440

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA996883

<220>

<221> misc_feature

<222> (1)..(440)

<223> n = a or c or g or t

<400> 440

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tgtccctagt aaccttggag ccattgatac ctgtgcattt gagagacgtg aggctgggaa 120
aggcaccagt gtgagggcat ttcattgtcca gaggtgagcg taaggcagga tggggagccg 180
tctagtacct ctgctggacg gtagaaccac cagcatggca aacacagtca gaggtcagag 240
gaggaagaag gaggactggt ggtggcgctca tggggcaatt tgcccactga tgtgccacat 300
ccttagtcct tctaggcaaa ggganaggta acatgttcca tatcgaagtc cacagcagct 360
aaccgcattt gaccttggga attctaggct ggacttggtg ggggtggaat agcacagttt 420
taccactgct tttgactgca 440

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<210> 441

<211> 158

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA997009

<400> 441

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tgtttttttt tttttttaaa ttgaaaaatg cattattgac aatccttggg accatgggtc 60
ccaagaaagg acctgtaacg aaacacgcgt gtggtaccct taggtcagcc cttcttttgc 120
ttgagctttt ccaagtacac gtgcaaggac ctctggat 158

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<210> 442

<211> 513

<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA997048

<400> 442
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aataacacaa actatatgcg ttttttcaaa atcagcagcc taggcacatc agcgatgacg 120
taacctttga ggaaaagagg agcctccacc cacttcatct caggggagcg tctacttcta 180
gtgcaaagta tgtgaggctc cagccttcta tgcccgtgca tcttgctaca ccttagccaa 240
gctcctagtt aaccacgaaa gcaggaaaat tgaaattatt ctgggttttt gggctttaca 300
atttaaataca caacatctct aaaaagatag gtcaactcta atgcttctaa agtgattttt 360
tctttctttc ttttttttcg gagctgggga ccgaaccagc ggcttctgac ttcctaggca 420
agcgctctac cactgagcta aatccccaac cccttttttt ttttgctttt ttaagggtttg 480
tttttaaccg ttgtgtatgt gtacgtgtgg agg 513

<210> 443
<211> 436
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA997068

<220>
<221> misc_feature
<222> (1)..(436)
<223> n = a or c or g or t

<400> 443
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ttcacagaaa tgtagctgat ggttacaaat caccaggcag caacagacct aatatacaca 120
attatttgat aagttcattc aatatattta aaaataaact aaaatttgca gtacaaaaat 180
aaaactaata ctggttagcg tcgtcttttg agtctatacg gtcaattttg agtcaagttg 240
atcaccattt ttttctttat aagggtcttt anaaagagct gttctgcagt cagattgtga 300
tacgcattct tcttcatcaa agacatgggt gcattcccat agtagtgtaa aggactgtct 360
gggtgtgtaa agttgtactt aaaaccagca aggtgcactt cactgcatat gtgaaacgcc 420
aaggtgagag cgataa 436

<210> 444
<211> 396
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA997237

<220>
<221> misc_feature
<222> (1)..(396)
<223> n = a or c or g or t

<400> 444
tttttttttt tttttttaat ggggcaacat ttttatttct gtacattgac atacaaattt 60
tcccaaaagg tacaacagat gcgacacat gcagacacgc agctgtgaat gacagttcag 120
agctcaacat aaacttgtgc tgtgaacagg taccgcccc gtcgacacat acagtcacgc 180

```

ggctcttaag aggaaaagca cacatgggtg ggttgacagaa aggacagagg tanggaagcg 240
ttcctcacta gacacaacac accatattgt ttttccaaaa cacacacgat acattagagt 300
gaggtgggtg ccttcagaac agggaggagt tgaagtgtgg gcctccctca acccatgtgc 360
cacccaaggg ctgggtgtgt gatggtcacg agatcc 396

```

```

<210> 445
<211> 221
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AA997323

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<400> 445
tttttttttt tttttttatt tgtttttgga atgaatctca tttattttaa acagtatttc 60
tcagcattct caaattgaag actgcaaaaa atacaatcag cgcgttatcc ttggccttgg 120
gatcatgtcg ctgccttccc cctctgcaac cctaagccag tccatgccac cggatgtata 180
tcacgcactt tacaaaacaa tcctgaagcc taatcaata g 221

```

```

<210> 446
<211> 468
<212> DNA
<213> Rattus norvegicus

```

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<220>
<223> Genbank Accession No. AA997345

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<220>
<221> misc_feature
<222> (1)..(468)
<223> n = a or c or g or t

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<400> 446
tttttttttt tttttttgct gtatgaaaat aatttttaat aaaaaatttt gaaagtgtca 60
tgtcgatggg ctattagaac catgaaagtt agtggttctg tgaatgtaag ttttctcaga 120
cagctaggac cagcccacca caaggtacgc gtggaaccaa agtgcttaga ggcttcggat 180
tttaattgtg caaaagatct tgagcctaaa atgcctaaga accatcaggc taacttggtta 240
agagctagaa cattgttacc aagcacattt gaagacggat cttttaatta aaataggggg 300
cctgggtgtca cagatcattg gtagaattaa catgaaaggg ccctatccca aaaatgattt 360
ggtagagtgg tagagttgct cgtcttacag aacatcattc tgcttgtgac aggttagaaa 420
gccattaagg cttctttgac tccactgaat anaggtctgc tcgtttct 468

```

```

<210> 447
<211> 467
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA997414

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<400> 447
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aatctaatta tgcattacat cctagcaatg gtcagtacca gctacagaac attatgctgc 120
ttttcatctc ccagttcacc ttagtgggca cggcagtcac aacgatcaca gactattttt 180
acagaggaag gtgagagctt tctcaaagt gttttgttgc ttagagaggg caagcagctt 240
ctcaccatgg aaacaatcag gttgctaggc aggacaaggg caagtgtgga agaattggcc 300
ttaaacagat ctactaaata aatagatcct gcgactggca actttcttca agttctgac 360

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aatacccatg aagtaactgc ttggccttta tccaaacact tctttcttca atgcttcttt 420
gtcttgctga caagacagcc agtcaacact gaagcatata gcctgat 467

<210> 448
<211> 395
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA997438

<220>
<221> misc_feature
<222> (1)..(395)
<223> n = a or c or g or t

<400> 448
tttttttttt tttttttgtt ttaaaaaatt aagttttataa atatttttctc cactgtacaa 60
agttttccca gccctgcca ccccttcacc gctcacattt ctcacttctt aaaaatccca 120
attatattta ttttttaaata cataaaatat atttttcctt tgttcatatt taaaaatatt 180
tacagggagg cagcgaggcc ggggtggacg gccgaggtca ggacgagtc gtgcaggtag 240
tacttgctgg tcttccagcg actggtgctg tagtcgctgt cacacacgct tgtgctgcaa 300
ggtgtgttg ggggtgccat acctcgaatg atgtanggcc tgtatggtct ggcagtggat 360
gggatgtttg aagaataaaa catgtccatg ttgta 395

<210> 449
<211> 329
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA997466

<220>
<221> misc_feature
<222> (1)..(329)
<223> n = a or c or g or t

<400> 449
tttttttttt tttttttaca aactcggcca cactcgccgg ctgtacattt aatcagtgca 60
cattatttac agaactaaac gatgcgggga gggggtggat ggccccaccc ctcgctggct 120
ctcaggttct gtagaggtga tacctaaagg gtgctgctgg cacaccctc ccatctgtca 180
cctctagtgc caggctctaa gaatccacca cttgcagaga ggcggtgacc cagaggaccc 240
tgggtggccg ccctcaaggt ttangaggca gaagagccag agccagctgt tacagtacca 300
tttccacag aagcctcctg ctgactcca 329

<210> 450
<211> 460
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA997699

<400> 450
tttttttttt tttttttcat ggtttttag tagttgtttt attcagtact ttgtaaactg 60
agactaatac actgacattc aaggaaagca cttctttaca ctgtcacatc ttggcatagg 120


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ttatgccaaag taccagaaca ttccttttta cctgtcataa gtagtgggta acagtgggga 180
tagatccttc caccttagga acgtcatggt catgtcacia tacacctggt ttagatggag 240
caccaaaatt ccagaggaca tcctaccac gttctcaatc tcctttcccc atgaggtcct 300
gacggacttt tccaccaatc aaatccgaga tgctctaaac ctcaatactt ctattcagtt 360
gggtgcaatg gggtcgacat ggaagatccc tcattctcaat ttacaacttt aggactaaac 420
aacgttgagt agggtaggtg aatgacatcc gaaatcaagc 460

```

<210> 451

<211> 484

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA997711

<400> 451

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tttttttttt ttttttttaa aagaaggcgt attttattgc agtataaaag gcggagacca 60
tcagctttcc aggagcagga ccagcaagtt tctaccctgc ccctgacggt ggttggaacc 120
aacatggatg ggccagctct ctaatagatg gcctacacgc ccacagatga gcaggaggaa 180
ccatgtccag ttatgctgag aggtcacttt taccttcaca agtacaacag cccccacagt 240
gccccactgg agcagtagga tagtctggaa gcagctcccg cccactataa ccacaccac 300
tcctatggg gccggatcca ggcaccacgc agttccagaa acaatagtgg ttgactgcca 360
aattctagaa acaaaattag gagcaggatg ttacattgtc tttctgtagg ttaaaagaaa 420
aacaccccg agcctcaaca ttttgactct gaaacttggc aagaggcagc ctgattccca 480
catc 484

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<210> 452

<211> 491

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA997721

<400> 452

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tttttttttt tttttttcag ttttaggaaa caaaaatctt tattaaaaaa ataacttaca 60
aatcaagaga atgctgtttc ctctgttcac gggtttgcag cccgaaacgt aactctacaa 120
tacggttcgt gtcacaaact gcattgctgg gcagtttccg ttccatattgc tgtgccagca 180
ttaaacacca cacagatata aaactattgt aaataaaaac ttccagccag gactggcata 240
aatttatata tatatttata ttttatatat atttatatca ttccgaatca gctaacaatg 300
aatgtcatcc ttagtcaaaa ctacagagtc tgctaattctg aggcctacat ggtccaaata 360
caacagcctt acacctccca tacaatattt aaaatatatt tagctttcaa atgcatttat 420
aaggtagatc catagtgaga aaataaagtc ttaaaactta aatacaaaag tcaccaagta 480
aaaacttgaa g 491

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<210> 453

<211> 425

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA997746

<400> 453

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cctagaaggc acgtgtaact aaacaccggt gtggcaccct taggtcagcc cttcttttgc 120
ttgagctttt ccaagtacac gtgcaggagc ttctggatgg agtctctgga gatgaaactg 180

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gtgaagttct ggatgtcagc ctctcgctgc ttgatcaggt tgtccgccgt ggccttccgc 240
atcatgctct tcgtcagctg ccgagaatgg tctgaagaaa atgggggttac ttatgaaacc 300
cacctgtgga gtatttgggg ccatttccca ctctttgcc catgttcttc aagtactgag 360
atatggactc tcctagagag ttcagaaaac cagaatgaaa gcatttgggc agctaacgtg 420
ggcta 425

<210> 454

<211> 422

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA997763

<400> 454

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ccttcatagc taccaacaaa tcaaattgtac aagagtatgt tacacactat acaagggcgt 120
ctcagggcga ccaggacccc ggtgaggagg tgtgcgttca tttctaaagt gcatgcttcc 180
cccaccgagg cgccggcgcg gcctctccgc ccgcccacga ggaggtcagg aggtgagaga 240
ctggatgttc ctgagcatct catcgaaggc ctgtggcgat ggcgcgctcg cgttctggaa 300
ggtggcctgg actcggctgt acagactgaa ggacttcagt tccagccaga gaaacccaaa 360
gcggctctca tcgaacagga cgaagacgcc ggggggtacgc tcggggctcg taaaaacatg 420
gc 422

<210> 455

<211> 370

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA997765

<400> 455

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tccagcctca acccacacaa gaacacaaaa ccaaggtgta aactaaaaca gggagggagg 120
ggaggatcac tttgttgtga catcatgaca ttaaccctg gttggcagga atgacggaga 180
gcggttttgg catattgcac aggcggcggtg atggaggctg cgctggtgat cctctggtgg 240
ctgaggccgt ttccttgtcc tcccaacct cagtgcacac gcgggcccagt ctcagaatcc 300
actaccactt ggtgtagatg tttacaagt ctttgggtctt aataagcacc attacaaacc 360
ctcacattaa 370

<210> 456

<211> 351

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA997851

<400> 456

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caggaccagc cacctggcca ctaccctcct gctgccagct caatggatgg gctgggagga 120
gatctctggg gaggggctgg gttcccca cccacccttc ttgccatctt ctaggccaat 180
gagctgagca cccctcagcc tctgtttccc cgacaaaat tgtgctagtc aaggtgagga 240
ggctcctggg gccagccaga tgcaggtggc tctgggctaa gccaggcgcg tgtcttgagt 300
cctagcctcc caccctgccc agttcatcag cacaggatcc agcttgaagg c 351

<210> 457
<211> 415
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA997979

<400> 457
tttttttttt tttttttctt ccaaagtata taatgtatat ttaacaacac aaaagacacc 60
acttgagctt ccccttagcc aacaggagga atatccacat ataaaaatta aaaattttaa 120
cttttaagtc attaatagtt tttaaacata atacagactt aaaaattggt caacatcaac 180
acaagacccc acccctaagc acagaaatca actccaaatc cagaagtcac agttgtttgt 240
ccctagatgt cctacagcac tgaacttgat ctttatatca ggctaccagc caggaaaagg 300
ccctgaaaga aacccttggg agacagcagc acttctgatt gctgctgcat acctatctac 360
cctgaggggca gatgcattct acgtcaggtc tgtgagactc ggagccacca cctaa 415

<210> 458
<211> 373
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA998029

<220>
<221> misc_feature
<222> (1) .. (373)
<223> n = a or c or g or t

<400> 458
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cctgggtgtc ccaagccaga tatctgccta atggaatctg ctctggagat gaggcacgga 180
gatatgaatc ttgtctaaac agatccaatt aagaggccag gcacggtagc actggcctca 240
ggaggccaag gcangaggac tgccatgact ttgagtccag cctggggttac agagtgagac 300
tatctcaaaa taacaacaaa cccaacaac aataacaaaa aaccaacacg ggggtgggagt 360
gggagagtga gca 373

<210> 459
<211> 409
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA998207

<400> 459
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cagagtaagt tttcttatga aaaaaatgct aaaacttctt ttgaacaaag gaattattca 120
ccttaagaaa aaccttaaaa gactttatta ctgggtactt ccaattgaac actagcagcc 180
caagccttct accttaagtt gaactcttaa aaaaataagt tttaaacac tctatgctaa 240
tatatttaca gtttatatag aaattttcaa taatcaaaat acatctttag caaaaattta 300
gaatgttaaa tttttataaa ataagcaaga ccaatagaaa aggagaattc agtaccattt 360
cagacttagc ttaagacaga ggttctccta actcctggca actctttgg 409

<210> 460

<211> 283
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA998234

<400> 460
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gtatcatcta cagtcactga aattgataaa ctaccagctc caaataaaga agcaaataca 120
ggagctatgg acccgaaatc gaacttcagg aagggttatct aattaatgag ctcctttgga 180
tttcctaatt agtagaacc tgtgatcaaa gcaggagacc cagtctccac caatctcctt 240
tcaggaagca tataagaaga ctgggctccc tgccctcgtgc cgc 283

<210> 461
<211> 331
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA998276

<400> 461
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ataccaaagc aaatatggtg gtggcatcct tgggtacatg cctagggaaa cctggtgacc 120
ccattgtgca cacaggaaac tcccagagac cttctctcct cgaatgaaat catcagagac 180
tgttatgaaa atgtgaaata aaaaaaccac ccaggaagag tgacagcaca gtgagctgtc 240
atcctgatga atgccggcta accaggaagg ccatcctctg agctctcctg agcgccgaat 300
tccgatcta gctgcaccat ctcatthaac t 331

<210> 462
<211> 124
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA998345

<400> 462
tttttttttt ttttttgcaa gttaagaaga tttattgaca gactagtctt gcagtcacaa 60
accgggctga ccgaggctca agaagtttgc catggaaaaa cccgttttgg attcaatccc 120
caaa 124

<210> 463
<211> 432
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AA998461

<400> 463
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gtcttcaggg atgctccagt ttctgagata tttgagatga tccatgtaaa gtgaaaaaac 120
tttagaccaa gaacagtagg ctgcacaagc aatagaatat ggcctaaagt gttctgaaac 180
ttagaaacca agcagtgtag gcttctcaag aaataccatt acaatcacct tgctaacact 240
aatgcattct acagtagttc agcagtggaa gctgtaatac ttggttactt ttctgttatt 300

tttctcccaa agcaagttct ttatgctgac gtttccagtg ttaggaactg ttaagtactg 360
 ctaaattgtc ttcattcttt gctttaccaa ggagggtctt ttcctccatc ttgatctgaa 420
 cctcgtgccg aa 432

<210> 464
 <211> 399
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA998510

<400> 464
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 caaacactca ttccttctgc aagataattt ggcacgagc agttgcccc aagtgggctct 180
 atggctggac atagatcagg ctctctggaa ggtttgtttg cacacctggc cttcgcagaa 240
 catttccagg tggagctggg ccccttcaat ccagtggctc cagcctctgt ttttcttctc 300
 tcctttctgt acacaagtga gtttgtcgtt ctcccaggta actgtgctca tgcattttcc 360
 tgtttaccag tcctttgttg tcctccacaa attcttctc 399

<210> 465
 <211> 557
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA998660

<400> 465
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 tcaacatgtc tatcaaatac atccacggca gtaaggaaaa acaataaatg aacagaaaaa 120
 cctgtgtctg cgtagtacac gcgcttggtg tgcaatttaa atgcaatact ctaatagggt 180
 acatagatcg gttttgtttt tttctctcaa taatgtcttc ttttttggtg gtaacctatt 240
 ccagcaatgt gacttaatac tactgcagat aaataggact gcaaacgtaa aactgcaaat 300
 atgatatgat agctgtcttc tcttccccag agaacgagtg aatatgttaa caatttccca 360
 ggactatttt tgtgctaaag gtccgcaagt gaattattcg aaattccttc atttaaataa 420
 aagtgttggg ggggggaaac ccttcgtgac ttcattttac tccctttctg ctcaactttt 480
 aaaaattatt tcttctatac aaggtaagta catgggctcc acaaagttaa acatacatta 540
 catatttaca gtccac 557

<210> 466
 <211> 453
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AA998683

<400> 466
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 tacatgtatc aaaagagcat tcagattgac agagaggag ggctggtgac ggctactggg 120
 gatgggtagc aagctgaagg cttctacttg gctccagact gttccgactc tgggcctcca 180
 atttgggcac gggcctcgaa agtgaccgga atggtgatct ccgctgattg tgtgactgct 240
 ttgggcagcg gagcctccac cgtgagtgtg ccctcagggg acaggggaaga ggacaccaag 300
 gtggggtcca cacctggagg gagcctagag gagcagaaac aaaggacaag gggtacacat 360
 ccctcctgac cccgcctcc gccaggggtc cgctcccca cccccagct ctccatgcaa 420

ggaaccagaa ctcacgtgta tttccctcg tgc

453

<210> 467

<211> 353

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA998833

<400> 467

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gtcaggggtgg ggatgttcgt ccagccctag ctgggtatat tgactgggat ctctgctcct 120
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<211> 335

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<212> DNA

<213> *Rattus norvegicus*

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<400> 474

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<211> 5990

<212> DNA

<213> *Rattus norvegicus*

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<223> Genbank Accession No. AB009636

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<212> DNA

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<213> Rattus norvegicus

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<211> 1892

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. AF034218

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<211> 1884

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AF038870

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<212> DNA

<213> Rattus norvegicus

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<212> DNA

<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<211> 1607

<212> DNA

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<400> 497

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<212> DNA

<213> Rattus norvegicus

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<400> 498

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<211> 1469

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. AF072411

<400> 499

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<212> DNA

<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<210> 503

<211> 570

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AF090134

<400> 503

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<211> 1330

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AF095741

<400> 504

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<211> 1778

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AF097723

<400> 505

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<210> 506

<211> 614

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AF100470

<400> 506

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614

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<211> 466

<212> DNA

<213> *Rattus norvegicus*

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<223> Genbank Accession No. AI007803

<400> 507

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<210> 508

<211> 569

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI007824

<400> 508

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<210> 509

<211> 635

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI007877

<400> 509

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<212> DNA
<213> Rattus norvegicus

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taatcagaga ggtcttcaaa tatcggtgtc ccttctccta ggatgcagtc nccagaaaag 420
atggcatttt cctcttcag gagtaaagcc atgtgatcat cagtgtggcc aggagtgtat 480
aagactctga gcgtgg 496

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<210> 511
<211> 539
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI008396

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<400> 511
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cagcgacttt gggctaccac ccacgttcag tgccttctca ctggacagca agcctactca 180
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cgagtattcc ccggcccaca atgatgacat cagaacctcg ttaccaacc acttcttggg 300
gactattgta ctgctggcca aggtgatccc ctctgtctc taactgaacc ctgattcccc 360
gtcaccctg gtcaccatgg tatgcacggc gactaccatc gaaagttgat agggcagacg 420
ttcgaatggg tcgtcgccgc cacggagggc gtgcgacgg cccgaggtta tctagagtca 480
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```

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<210> 512
<211> 454
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI008504

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<220>
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<222> (1) .. (454)

<223> n = a or c or g or t

<400> 512

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atatctgtta tcacaggctc tttgggcggg atgggacatt tgaagtcaga acctatgtct 180
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caaggcctcc tgtcctggag ccctgacta ggtcgttcct anggtgctag cagcatgaag 300
ggagtgggca aatctgtagg caaggacatc aggctggcca gccgagagct caggcccatc 360
ctgcagttag ggcacagcac gggaatgtga acatagaagc aagcaacaca ggggagagca 420
atggaactgg ggcctagcat cctatgggac agga 454
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<210> 513

<211> 570

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI008699

<400> 513

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gacaatgcaa ggtaggcata gccagggtgt tttccagaaa ctccctccag tgcccagcaa 180
ggcccacagc tccttggtgc caagcagggc cttgtcctat ggtaaggaag cagggaggtg 240
acggtgtcaa agtggcctct cagttggggc actgctcttc agctgtcagt gtgagctccc 300
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ctagtccagg caaggctgag aagtctggag gtggccatgg gaggtggtct gcagcccaga 480
cttgggcagg gcattctatg tacacacgct ccggctccgg ttcctcttcc tcttctctct 540
cttcttcttc ctctctctca gcacagtggc 570
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<210> 514

<211> 448

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI008773

<400> 514

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cgtggttggg gtctcaccgg ggagtcacag ggcaggtttg acgtgtgatg gcctggctgg 180
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gtgtctcttg cggctctcatg gccacgggt gtccaggcgt ggcgttagta tgccagggtg 360
ggcaggagcc agcagtgtct atggcagcgc agctggtgac cgtagtctgg ccatttgcag 420
gtgatctccg tgggtggactt cggacaaa 448
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<210> 515

<211> 479

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI008787

<400> 515

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aaaaccagca aaaaactcca gttgtcta atgagaatagtg tgttttgagt 180
ggctgattac cggcttgga aaaaaaagt ttgcaaaagg ctaaaagtaa aatttaattt 240
ctttacagaa aatagcatta aggtggtaag tagcctttgc ctttaacaag tggaactgat 300
tctgcaaggc gtagatggag tgggacaagt ggcattcagt tcacaggcac acagctcgtg 360
ctcaaactgc tagcacagat cccagcacag gacatctggt taggtcactg ctgaactttg 420
catctctgtc aaacggtaca ctctctttat gcacctacgg cagagtcaac actttgagc 479
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<210> 516

<211> 444

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI008813

<400> 516

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tcttctcaca gacagggatt agaaagaggc tgcttctgga tcctaaggct gtggtccaaa 180
tcaggagaga agccatcgat cccaagccag ggtgtagctg acagtgtctg ggtccaagtg 240
ctctgctggg aagagctggg gctgacagag ccaagactgt cccctccct accctggact 300
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agaccctgag tacttcttag gccactaggg cccttttcca tgctaggcac atcagaggac 420
aactctgcgg tccaggtgat cccc 444
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<210> 517

<211> 478

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI008838

<400> 517

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gtccataggt caggggtgtt ctgcttacgc atttgggtgcc tcataattaa gttcagctaa 120
cactagggcc tatagtttgc tgtcagttag accaggtctg gtcttgacag taaagccacc 180
atcaaaagct gcattgagaa cttcatccag gcggacagtt gtacttttgt tccaaggaag 240
ctccaccata agttccaaat aatttctagt cagagcatat tcaggcattg actgagggcat 300
ttttttgagt ctttttatct gcttgacaca gactttatga gcctgttctg gcatactaga 360
tgttcttatt tttttctcca gcatgacaat gtcattatta tcttcctctt gctcttcac 420
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<210> 518

<211> 467

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI008919

<400> 518

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gctagcccta cccagagctc cctccgcttc atgaaacgag tccgcaggct gggcgaggcc 180
tcattccgag gaaaaggcag tccccgcaag ggcctggagc ttccttcccg aattctgggc 240
agcctgtaac ctggctcaca acttgtgtgg ggtcaagagc tgctattgca aggtcgctg 300
tgcttggtc tttcccctgg ctcaaagtct tgccaaacct atggccacct tccctggcaa 360
cctgcgtccc cagggaagag gaagccactg cttccattac acgccttcac agcgaagggc 420
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<210> 519

<211> 486

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009026

<400> 519

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tgcagaccaa atcacaagat ggccacctca ctggtcacat ggtccttagg ttaatgagca 240
gaggctgaca ggctgtctcc tcaactctcc aagaaccgcc cccaagtgca cactgcagaa 300
ggaaagtttg ttttgaatac cacaggacag aaggacaggc agctcataac tccagtggaa 360
aaacatatag gagagctgag tggcaacagc aggcactgtg ataacctggg ctgtcaaagt 420
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cgtgcc 486

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<210> 520

<211> 630

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009096

<400> 520

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ttcgagagt tgaaggtcaa gcgcctgagg aagaagtthg ccctgaagac actgcgaaag 180
gcaaggagga agctcatcta tgagaaggca aagcactatc acaaggagta cagacagatg 240
taccggactg agattcgcat ggctaggatg gcgaggaaag ctggcaactt ctatgtgccc 300
gcagaaccaa aattggcctt tgtcatcaga atccgaggta tcaatggagt gagcccaaag 360
gtgcgcaagg tgctgcagct gctccgtctc cggcagatct tcaatggcac ctttgtgaag 420
ctcaacaagg cttcagtga catgctgagg atcgtggagc cctacattgc atgggggtac 480
cccaacctga agtcagtaaa cgagctcatc tacaacgag gctatggcaa aatcaattaa 540
aagcgcattg ccttgacaga taactccttg gttgctcgat ctcttggtaa aattggcatc 600
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<210> 521

<211> 458

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009115

<400> 521
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 aatggccctc caggtagccc agtctcttct tggaggggccc tggagcaggt aggtcactgt 180
 aaacagagca gtaaggcctg tgggtggaag tgctcggtcg tgctgtctgc agcgcccaag 240
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 atgttattgc tggataaacc tttctcggag acccggggca gtcacagact ctgggaaact 360
 ggggtgctggc acccaggggtg ctttcagtgg cctgtgggtg agtttatgct ggcactggct 420
 acaagggcc cgtgtcccca atacactatg gtaatgag 458

<210> 522

<211> 358

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI009321

<400> 522
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 gaccctaaac gtcaactgcg ctgggaacac tcagaattct caacagactc tacaagccag 180
 gacaaagctt atgcattgaa tctactgagc gcttaatttt tggcatctct ggaagccagt 240
 cacgcaactg ctcaagtatc agaaaatact taaaatgtac tctcggtata taaatacaat 300
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<210> 523

<211> 408

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI009338

<400> 523
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 ctgcatgcgt tactgaacag gaccagttgc cagagccctt gacagagaag gctttgagag 180
 aagccagctc tgccatcgac accttaggcg aagccttggg ggctggggcc tattctaaga 240
 tgtggtcctg ccgagaagat gcaactgctg cattgtacaa gaggtgatg gagatgcctg 300
 ttggaaccca gaaggaagat ttgaaaaaca tgctcagagc atctgtcttt ctcatcagaa 360
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<210> 524

<211> 487

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI009341

<400> 524
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 gatgttgac agaaacagcc cctaacaggc aggtgagcaa gaacagaaac accagggagg 180
 tggccctctg caagtgggccc taagccacat ctactgccaa gcacaaagtt caaactgatt 240
 tgatccaaca gcatgactac ttttagaaaa gcttcattta tgctcagtaca tgtcaccgag 300

aactcattcc gcctatggcc tgttcctaata ggcttctaag gaagaaaagg acttgccttc 360
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 caccatccca ggtcaaaatg gtctgggctt gcactcccca agttgaactg ctcttggggc 480
 tttgcat 487

<210> 525
 <211> 485
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI009481

<400> 525
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 aagca 485

<210> 526
 <211> 511
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI009492

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 atttccataa aaatgtgaca ccacctgtac tgtctgggtg ccacgtctct gaagatgata 420
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 aactacagaa gttttcccat tatctttggc c 511

<210> 527
 <211> 634
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI009654

<400> 527
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 atcaaaagaa tcccctcctg atataaagtt tagtttctct atcatatcaa aataaaaacg 180
 taccggtttt ctaacactga gaaatgagag aacacaacaa aatctccata cacaccatga 240
 gcaagtatct caaacaactt tagtacagtt aaagtttatc ctctgctttt ctaaaacgca 300

tgatttttcc	taatttaata	acatatataa	aagagaactg	gagggtagaa	gacacgtgtt	360
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cgagagaata	aacagaggta	ccttcttggt	tgaatccagc	ttgcaaggag	aaaggcagag	480
actgaaaaac	aactgtttca	tgagttagtt	cagaatcctg	tcaatagcat	tattttttcc	540
ccaaaatacc	aaattccaaa	tattctagtt	ctcagctttg	acctttttggc	aaagttatca	600
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<210> 528

<211> 495

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009676

<400> 528

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aagcaaagtt	taaatgggca	atgctgggcc	acaggaggca	aggaaggaaa	agcttttggg	180
cagaaagtgc	ttggaaaact	ttggctctga	aggagacttg	ggaaatggct	aaactgattg	240
tgcttgagg	tgaggagg	acccacatct	acctactagg	gtggtttgat	caggctcttg	300
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cccagtaggg	tgtgcaagat	ccggattaga	ctctggagaa	agggttaaag	ctgttgccat	420
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<210> 529

<211> 500

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009677

<400> 529

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tgatatggaa	agcatgttat	ataaacattt	ctacaacaaa	aacatgcggc	acaaatgaaa	180
ggaagatgtg	tgggtaggag	aggagcaaac	aggacattgc	cacagtgtga	gtgacgggtc	240
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aagcctgctt	ggaagaagca	agctgtgctc	atgatttttt	tcttcctttt	gggctgaacc	420
cgggacctta	ctaattgctag	gcaagtgtct	tagccggggg	ctcaagcctc	gagatgttcc	480
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<210> 530

<211> 547

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009752

<400> 530

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tctgtaacgt	gtcaacagca	gtcatacagt	aatcctctgg	tgattgtata	tgtgctaata	180


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cttttagatt caactttaca gttatcttct aaatgattct ttatatagaa aatacatact 240
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aaaaaaataa tggctgtttc tcttcagtac taaagtagga aatataattt caacatgtca 480
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<210> 531

<211> 383

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI009825

<400> 531

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gtcaattaag catgtgttgt tttaaacat gacgagtacc attctgcaaa ggatcccata 240
gtggtgcaca gcctcaagaa gccaggccag tatggatata gccatgcaac cctcaactac 300
ttcctctccc tactccgcat tccccacggt gagctctgct actgggagag gacagggtag 360
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<210> 532

<211> 104

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI009950

<400> 532

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<210> 533

<211> 610

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI010050

<400> 533

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acaggagaga gagttaaaag gctaaaaggg catacttctt ttgtgaactc ctgttatcca 420
gccaggcggg ggccccagct tgtctgcaca ggcagcgacg atggcacagt taagctttgg 480
gacatccgga agaaagcagc catccagaca tttcagaaca cataccaggt gttagccgtc 540
accttcaatg acacgagcga tcagatcatc tctggcgga tagacaatga catcaaggtt 600
tgggacctac                                         610

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<210> 534
<211> 491
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AI010083

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aaccacccct agcccttgta ggaaaggctt atctggaatc acaccacgtc atgtgtagag 180
tacaaatttc ttctggctgc tcaaagctgt ctgccagaaa actgggccag tgctcacttc 240
tgcttagaga aatactcttt actcttattg acatcaggct tgatgggtatc actgccaggct 300
ttccagccag ctgggcacac ttcacatgt ttgtcagtga actggaaggc ctggactagt 360
ctcagaatct catccacaga gcggcccaca ggaagatcat ttattggtat ctggcgaagg 420
atacctttat catcaataat aaagaggccc ctgaaagaga taccttcac cagcttttaag 480
actccataat c 491

<210> 535
<211> 478
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AI010147

<400> 535
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tacaagaccc aggctatgca caattccagg cttggagggtc gcagggggaa actgcctcta 120
gggctgagga tataaagggtt tcagaaagaa tgaaacatga gccctggggt tgcaatctgc 180
ggcttccctt ccttgctccc ccaggaaggg actgctacat ggaaacaggc tgggatggaa 240
gaaagggagc cagagtcctt cagtcccaga aagcgaacac aggagagagg acagcccgc 300
gtccccaatt cttcagtagg tcaagacaag gtggtctgct gggaactaga cacacctcta 360
atccaggagg aagtggctgg aaggaacaga ggggctccct ggtccacct tccctccatcc 420
tattgggcac ctttacctag gaaccctgcc tgttggccca ctgcactctt aggtttga 478

<210> 536
<211> 494
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AI010316

<400> 536
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cttaagggcc ttgataggga gaagttttcc ccatggaaag aaagggtcag cagctttcaa 180
aaggcttcc tttatcactg tgtgagttgt aaaatctctg ggtactcttc aaagggtccc 240
tggtcctact ataagacttg gtgtcactgt cttcaggctc aaaagggagg ggcattgaaag 300
aaatatggac tcttctgggg gtgacgctct tggatgtttc tacaacgtac tgggtgcccac 360
taagaatgcc acttccatta ctgaccccaa aagaagacaa ctagtctca cccacctga 420
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cctcttatta atac 494

<210> 537
<211> 152
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI010461

<400> 537
aaacttgcca aggaactgaa ttatatattat tttaaaca gtaccacata ttgaagaaag 60
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ctataggaga ctggaatgaa ataatttta gt 152

<210> 538
<211> 590
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI010480

<400> 538
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gatgctgaat aagttaggat gctgctgctg ctgctgctgc tggaggctcg aggctcacac 180
tcacttcacg ttcttcacaa agtcctcgcc tttcttgatg gaggctttca gctcagggat 240
ggcctcggca atcattttct cctcaaaagg agtgattttg ccaatgccta ggttcttctc 300
caggcctttt ttcccaaca gcaagggtgt agagaaataa gtgactctg tctctttgga 360
ctgaacaaaa gagcactcga tgactccttc cttccattc atggcgctca ccaggagaa 420
gacaaagcgg gctccagcat aagccatgga cagagtggca gagcctgctc cagccttggc 480
cttcacgact tcagtgccag cctcctggat cctcccggtg agtgtggcca gctggtcttg 540
gggaaagtca accttggggg tacactgaga gatcagggg atgatcgtct 590

<210> 539
<211> 477
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI010568

<400> 539
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aatacagact gcaggacaca actagtcaca tgggtgaataa tggcttggtg ggccagcaaa 120
gtaccaaaaa tgacattctg ggactgattg aggtatttag ctatttttgg ctatagcaac 180
gtggtcagcc tatggtgaaa tggtaagata gttcatcaaa acacacatct ttaagctgaa 240
taggttctaa attgatgata cttcatatga actaaatcat gtaccattg gggaaaccat 300
agcagcaagg tatcagaaaa aaatctatta aaatctacta cagaataaca cagtgaacct 360
taaacaccca agtctaaatt tttcactgtc tctcctgcat gaaagagatt taaaaaccac 420
taaacattaa ccctgtttcc ccacaaaggt ctctgcaaaa tggtaaatac cattgaa 477

<210> 540
<211> 464
<212> DNA
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI010618

<400> 540

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cagctcaatt cacacaatga agacaccccc acccccacat acacaatacc actagcctgc 120
gtgccaggct gtctgacctt tgcttggttc ctggtggagc tgacctgaaga cagctctctg 180
taaaaacctg acttggacac aggggacaca ataaagggga ccttagccgg agaattaact 240
gaggggctcc cagagtcctt ggtggtgatg gtttgagagc catgggggtca tgctgcgaaa 300
aatccagact gtgttttatg tggataaatc ccatatgggg atataagacc tatctataac 360
ctcttctaga cagagagttt agaaacacac tgaggtaagc caatgagtc catcaaccaa 420
gccacatata aggaggggccc agagcagggg atctgggtgg tggg 464
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<210> 541

<211> 417

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI010660

<400> 541

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aagcgcagtg acgggggttg ggtggggcgg ggcggggcga gaggggacag acgggctggc 120
tgacctactg cattccgcta ggacactgaa aaccagaaa acaaacaga cagtaaaacta 180
cccttgtttc ttatgtatct cagtgcagag acgggggagg gggttggagg gcagagaagg 240
gagaccaggc tgaaagagga gcagagggaa gggacgctaa ggggaagcac accaaatcca 300
ttagtactat atatatagag atactcgtat atactgcgtt tcttagccta agaagaaact 360
tgtttgacgg gacggggcgg ctttgcggtc cgcgatgctg gtgctggttg ggcgcac 417
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<210> 542

<211> 412

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI011471

<400> 542

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aatagtgggt taaattagag acacaacagt cattttattc ttgtattatg aaatacgaag 120
taggaaatac gaagacaatc ccacatgtct actgaaactc ttgtggtgat aacgattggc 180
cgtgaagaac ggcagtgatc ctgtttatga agttcaagtt gtcatacgtg ctttaattgt 240
tttttttgca tattaatcaa atgctcggcc ttaaaagcac tgctttcttt gcatgcggtg 300
tttagaaaac tcagaggcca caatccgtca atgtaaactt actaagatta cttatctttt 360
tcaaactcgt taaaaacgat tcacctctta tttctgaaga ttaacaacat ct 412
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<210> 543

<211> 661

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI011503

<400> 543

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tccatgcata tgacgttttc ttgaaaaaaa atggaacaga gtagcttaat gtctgtgata 120
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ctgttttcacg agattatttaa tatacatccg ggactgggca ccagtcaatc atatcaacaa 180
ttcactatatt atcaccaaatt ggtatatata gcaatagcat aaagattaag tatatcttat 240
acgtgattttt ataataagac ttcttgggtg ggggaatctgt caacaatata aaatataagg 300
tggacataat  ggcagaatat aaaaacacat ttcataagagg caataatata cacgtgtcca 360
aggacaggca agagcctgtt agctcagcgt taggcatgtt ccttcaaagg agctgtaggg 420
gatggaaatg tctgggggtgg gacaagctca gagacatctt tgggtgtcac agtatgtttg 480
tttgggacag ccaaaggaca gtggggtagg tgaattgttc tgctgcatcc acttgaggaa 540
caagaaccaa gttcccttca tggccagggg aatcatgtct gggattccga gtgtagggcc 600
ctttgaatta ggggccagtt tggacggagg ggcaccagac agcgggaagg gagtcattct 660
t                                                    661

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<210> 544

<211> 689

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI011510

<400> 544

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gttgagaaac aaacagggtga catttccaat cgtttatctg aaatccacag ggattagctc 180
aatgatcctc cgggtacatg aggggaatcgt caccatttta gacatgaaag gttagagaat 240
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ccaaccactg ggcaccggag tctactactc ctccagtggc atcacacaga accatgcgac 360
aagtgcgttg cagttcggtt gattaggaat gagaatccag tgcgcccggc acctccctcc 420
gtggccactt tgagtggta tctggcattt tctcaggttg cagtaaatgc gcctcacagt 480
atagaaccag cagaatcggg acatttgcag tctagccctg ctccctggga agcaacatgg 540
accctgaaag gaagcaggac agagccggcc tgggtactgg gcctgcccct gagagtgatg 600
agggtagccc ttggtgacag ctataccaac ttcattgcgga cccctggcaa atgtccttga 660
aaggaaaccc cacatgctct caagccact                                     689

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<210> 545

<211> 426

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI011678

<400> 545

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tttgccagta tttttccctt ggcatagata ttccaagcaa gtcattctac aattaggggt 120
tactgtttt gcacagttag aggtataacc actacattct cagcctccgt gattgagggc 180
attgtgcagc tttggaaggg cccatcattt cctcttaatt ctaaataagg tgaattacgg 240
ctataattgg acagaaatta aggccattaa ggattcagac acaacactgt tccaagtgtt 300
acttttagtt tgtttgaatg agttctgtga caagcccagg gaagggtgctc aaagtagtca 360
aacttttatc gaaagttgac tgtatgttgg aaaagttgcg gttcttgctg tcttctttct 420
acttcc                                                    426

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<210> 546

<211> 439

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI011734

<400> 546

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acaccatctt gctcatgcct gagaaatagg ctttctctct ctcgctcatc acttcgaagt 180
gtaagggcct cctgcagaag ttgcattcag ctgacgaatg tggcttcagt tccagcccga 240
ctcgttcca cgtgagcagt tttgagcata gaacagcaga gatttccttg ctttctgcag 300
aaaggcctga gggactcggg ataagaatgg gcattctgca acgacagtct ccattgtctgc 360
aaagtgtccc gggctctgag cgggctctcg acgagacggc ggtgggcact cgagcggagg 420
acgctaaacc gaccagtgc 439
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<210> 547

<211> 468

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI011746

<400> 547

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cagagcccac aaagcccagg gggcacaaaa gggaaccccc tacacacaag gggatcccca 120
acctgccgcc ccacctggca cacagggtcaa aagccccctt ggggctggta tcaaacttag 180
cttaatcctt cttgctcccg tgttgctggc tggggaactt ttgatgcacc actcggaggg 240
tggtgaaaaa attgccaaag aagaggaacg gaagcaggaa ggtgaggcct ttccacatcc 300
aagactgaaa gccctccaca gggaggtcca tgggtgtgtca ttcgccaggg gctcacaggc 360
ggtaaggga cccgttctgg tagtaatact gcaaaaactg cacaaaactc tgggtacatgg 420
agaaagacag gaactgggtc cggaacttct ggtacatgag tccatttg 468
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<210> 548

<211> 373

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI011809

<400> 548

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gccctgtcca gtaagataca gtacaaggag tggacggcac gcgcatgcat ccacactgag 120
ctacagtgac tggggcctgg tgtccacaga aaccttaaga gggtagtgga cagttaatgc 180
tggtagagac tcgaggccag accagggcca acagacaggc ctatacttct ctgcctaaaa 240
atgtggaagg ttgcatgtgt acagttctcc aagttcgaaa ctacatctgg tgctacccat 300
cactgctaag ggttactcca tcttgccgg gacgagcgcc tcggggtcag aactcaggaa 360
tgtctgggtc agt 373
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<210> 549

<211> 511

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI012085

<400> 549

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caaggtgctt aaacttaact tcttggtttg ttttggtttg ttcttgccat ctggagcaat 120
cgtcctcagt accaccactc tctagcccat cccatacccc ttcctactgc tgtgtgggac 180
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cagccatctg agtagcgtcg agtgacacag atgacggttc cttcagaaaa ggagagctca 420
ttgtccttct gccgggtgta tgggtacagc gtcaccactt tctccaagta ggcagcaggg 480
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<210> 550

<211> 322

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI012130

<400> 550

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agcgataggg ccatggagca gcttgggcca gcacgaggga aggggttccc tcgctggcac 120
tgttttcagt gaaactgccc ttagctagaa ctgctgaggg gagagagagg tgaaggcagg 180
tcgcagagga aaaggagcag aggccagata caggaagaac agacctgttt aatgacacag 240
ctgggtctgg ttacaaacat cagaaactac aaaaagacag gcagttacag gaaggctgcc 300
tgaggggtgg accagagggg ac 322

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<210> 551

<211> 484

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI012174

<400> 551

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gttggtcaca gcactttatt gaggggcaga ggctccaaca tctgcacagc tacaactgaa 60
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gttcccgggg ctcaatcata tttctcttct ggaagctttt gaacctgtct cggagaatgt 180
taccttctgg cttagctttc ctgagtgagt cagatagctc agagctgagc tgcacatcaa 240
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gccgatgag ccgctgctcc ttccggcgct ccagctctgc cagcctccgg gccacctggg 360
ccttgatccc acgtagcctg aagagttctt ggtgctgaag ccgggctgcc ctgagtgag 420
cctgctgcac ccgagcttg cgagcagcct tctcccgcgg ccgctgctgc tctgtcttct 480
tctc 484

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<210> 552

<211> 398

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI012177

<400> 552

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tggtaggagc tgtctagagg cgatcactgt gataccgggg gatgttaccg ggaataccat 180
ctcaggagag caaggcaaga gaggtaatgg acacaacagt ggttttccca tgcccctagc 240

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accttcatgg agaccgcagg cttggaaaac aaccacagag ggaagggatg ggaaaaatgg 300
 ctgcccagga gtcttctcca ccctggctta tcagaccca tccctatcac acagcccctt 360
 caaccacttg aaaatggagc aaacagaggg agcaaaat 398

<210> 553
 <211> 385
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI012215

<400> 553
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 ccttcgagaa gagacctggc ttctagaagg gattttccat aatcctacat aacagaggag 180
 agccctgtcc tctatgacaa ccaggacttg acaccgtcga cccggctctc cagctctgag 240
 tccacgtctg agtcaccctc aagtttattc tttcttttct gacattttgt caccatatcc 300
 tgcaaactgt tgacaaagtc ctcattctca tcactctcca tctcatcctc aatggcggct 360
 tgcaagtcce caatgcgttt gaacg 385

<210> 554
 <211> 636
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI012235

<400> 554
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 tttttttcca acattttctt tggtagacaa aagcaattta ttttaaaaat ctatccagat 180
 tattgtcact gataaaacag ataaagccag atgtacagga aatacacatc tttagccctt 240
 tagactgcct cagtgggaag ccagtgtgat taactcagga aacagttagt ttctcttact 300
 cgtttctaca gcgtagaaat gtttgaggag caccctcatga atgctaaatc tttttaaatg 360
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 gggaaagggg tggtatttcc atgaaaaatt ccttgagtaa tgtttttcta cactagatgc 480
 ttctgaatcc aaccagcggg cgggagggat tccagtaaca atgtgtccat tgtaaccata 540
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 tagccaagca gaatacttta gaggtatccg acctcc 636

<210> 555
 <211> 636
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI012356

<400> 555
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 aataaaagcc actgtactgg gaggccaagc aaactgcagg catggctggg tgaggttggg 180
 gacaagtggg gccaaagggg ggggaagtgg gccgttccaa gggctcacta tgggtgatta 240
 acccagatac agacttccca gaaccctga ggtacaacac ctgccccaga gaagccctca 300
 ccttgttcct ggggtccccg gattggaagc catcaacatg cccacgcctt gccttccctaa 360


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ataccctttc agtttatgag ttcagcttat tgtgtaacta aagaacctgg ccaggggaagg 420
gagagcaatg actgcctcga agcagaaggc tgggggtggc aaggcaagca gtttgtcttg 480
gagacaatgt cctcactgcc cttaattcag aacttggtta actggagaaa aacaattcca 540
cagacagatc agctgagtaa ggtggctttg agtactgaa tctagccatg cccctgtatc 600
aagggaggct tgccttgaac cactcagtgt tcaagt 636

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<210> 556
<211> 523
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI012498

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<220>
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<223> n = a or c or g or t

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<400> 556
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ccccaggac aagagccccg gaagcatggc tggcggttagg cataaagaca agaggccaca 180
gcctgaatca gcagcgtcaa gggggcaggg aacttggaac agaaaggatg gctctagggc 240
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tgggctgccc tagggctctga ggctacagcc ggccctgtcc agcgaggctg gcatgcagct 360
ccaggttact gcggaagagc agggacaggt gcaggcctta ngtgctgtta cctgttctc 420
gttcaaagag cagcatggca agctgggtgc gggagccaag gcctcaagca gctctggcga 480
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<210> 557
<211> 610
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI012574

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<400> 557
aaaatacctt aaaagaacag ataaagtact tgaggttaca tatccagaat tgaaaaagaa 60
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aaaatgcatt tcaaaaacaa taaaaatagg aactgagaag aaaactttct ttctattgct 180
gtctttttcc ggaaagtctt cctcggagct ctaacatttc aggtttacag aaagtacctc 240
catcaatatt taaaatatac cacattttgt ttccaaatca gtccatttga gacattttaa 300
aaccagatga aataattcag tgcaaactaa agcttcaagt tgaaaatccg agaggcaaag 360
tcacgttcaa actgcaggaa atgcttctgg aactgaacaa ttagaaagtt cacattatga 420
agaactcttt gcatgtgtcc ttgggtgtgc gaaatactga gttagcaaac agacctctgg 480
aggctctggc tagggctctg tggtgtactg tgggcagagg gaaggtagaa aagggttaat 540
aattttaatt gtgggtgcaa gattaagtta agcatcaaaa tggtgggatc tgggtccaga 600
aaatttggtc 610

```

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<210> 558
<211> 631
<212> DNA
<213> Rattus norvegicus

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<220>

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<223> Genbank Accession No. AI012589

<400> 558

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cactactgtt taccattgcc gttgatggga cggttcaa at ggtcagggga ggacagaaag 120
gccttgatct tggggcgggc actgaggcga gccacatagg cagagagcag ggggaagttg 180
tccaggcagc caggggccag gacttggtgg accagcagca ggtccagcaa gttgtaatct 240
gcaaaggaaa tctggttacc cacaatgaaa gctttgcctc cctggttctg ggacagcagg 300
gtctcaaaag gtttcagatg cccaggcagg gccttcacat agtcattcctt accattctca 360
tagttagtgt agatgagggt accatatattg catcgaaggt cctccacccc atcattcacc 420
atatccacca aggcagcctc cttctggtct ttccataaa gccctaaaga gcgaccagg 480
tgccccaaga tggcattaga ttggtaaagg gtgaggtctc catcttcaa cttggggagc 540
tgcccataca gacaagtgga cttgagcgag ccttgaagcc agacatctat ggtaaccacc 600
tcctccttcc agctctggcc ctggtcagcc a 631
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<210> 559

<211> 467

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI012747

<220>

<221> misc_feature

<222> (1)..(467)

<223> n = a or c or g or t

<400> 559

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cactttttct cccaccccaa cccccaacgc agagacagac gttaaagcat tcaatggggt 120
gccctagtga tgacagttga gccctgacg aggtttaacc tggcccagggt gagccccaca 180
gttcagaaca ggaaggaatc atgtcagagc cgatcagcct tcccttctcg agctattagt 240
cacatgagac aaccttgtgg aagttgaatt cagcgactgc caggtaggaa ggacagtgc 300
ctgtgcggca gcatgcagcg ttgagagttc aaatcctagc taaccctccc taatctactg 360
taggaacaag gagcccagga ctgtttgttc tccacacacc tcagccgctc atcttactgt 420
cttaccacan acacaaagac catgaccgtg gacaactaca tccaatc 467
```

<210> 560

<211> 522

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI012802

<400> 560

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gggaataaat actttaaac tttttctctt ataaatatgc attagaacat ttgacaacac 60
aagctaaggc ctttgaatta acttaaaatt agactaagtc ctgcttttagc agcaggacag 120
tcagttaaaa gtccctgtcc ccgtgttcc cagtcccgag gcaccttaaa ctggtctttc 180
tccctgcgga tggccctcat ggtggtcaca gggtcggtct ctccagcgtg ctgctgcacg 240
gtcttctctc tcaactctcat gaaggggttg taagtgaact cctctgccag ggtggatggc 300
accgtgggct ccccgatggc attcttctcc ttggcccacg ccagtttctc ttgaacggcg 360
gtattgccgg gctccacatg gcgcgcaaac ttaaggttgt ttacgggtgta ttcattggcca 420
cagtagactt ttgtgtctgg aggaagccgg cctaagactt caagcagcgc cttgtacatc 480
tcgtctgcgg ttccctcata gaacttccca cagccagcaa ca 522
```

<210> 561
<211> 615
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI013011

<400> 561
gatttttagga cgttttattgt tacattttatt taatttttttt gcagtaatag atgaggcaca 60
aatacctcct gcctctccaa cactgcaaca aaaaggacaa tagtcaaggg taacagtga 120
attaaaatta aaagtaaacc aaagcctaag gcctgggaga aaacctggct acaatctagt 180
gtagaaactt gtaaaggact ccagcctcgt cttccgactg caccacttca cagatcacag 240
ggtagggtca cagagtaggg cgtcctgaca ggacacagcc aggtcagct cgccaggatg 300
ggggcctctg cccatccacc tgtgttctgc tcagctagct caaggtcaca tcttgctact 360
cacatgctgc cggttttcaa agctacatca tctggtcagg ctgtcagagg gacagcgctc 420
tccttgga cccacactc tcctcgggtca cagtggcccc cagcagcagc tgggaacagg 480
ttgtgtgttt ggcgtctcag cactgacaga tacatggggc acctggcaag ggatgctcac 540
tgtgtgtgga cctgaaaccc ccaaggaacc ctgaaagggt gctggtcctt ggtactaacc 600
tggcctcatc ccctc 615

<210> 562
<211> 602
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI013044

<400> 562
atgtgttttt tttttttttt tttttcaatt ttaacacttt attgcaatta ttcaagtctt 60
tcccactgtt tacaaatgtt tcattttttat gggaccttta caagtttgct ttcacaatgt 120
ggcctctgcc cataggcctc acacaccact tgcctctgcc tcgggacaga ggaggggaat 180
gtgcatgcac aggagcagg accaggatac acgattcgtt cttgggagtc atgtgatgtc 240
tgcaggctaa caggacatct acttgtccag agagccagtc cctaccagc gacaaaggca 300
taccacaccg gtagatatga aaacatagat gtgcacacat aacaaaacaa caacaaaagc 360
catcaagtcc actctgtgcc gcacatatgc tcttgggtgt gtgggcatgc aatggagccc 420
gatcaacctg ccagtggcta ctctgagag aaaactgact ctcttcccc tcagaagcta 480
tagctagcta atgagccatt ttcaataatt tggtatctgt tggcacctcg gccaccagg 540
ggcgctctgc agtcagactg cctgaccctg ggaatcatgt gacttatctt aatgcagcac 600
tc 602

<210> 563
<211> 476
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI013387

<400> 563
cacagccaaa gaaatttatt ttaaaataga aacaaacata cattaagctt taaacaatca 60
aatttttaac aaaagggaag aagagccatt tgatcccaga gttggtacag aatgactttt 120
gtgtgtgtga aatccacgta aggagcacgt ggacaagctg acatggaaat ccatcatgcg 180
tgctcagggtg tccactggct gccatcagac actcatacac taagagctac ccttgactga 240
ctgcccactg gcaccattcc caagacccaa gttcatgtgg ggtatatggt caagtgttac 300
ggttccttct gaacacgaga agagagggtg ctcaacaggg tcttctttcc ccgctgattc 360

cgccaagccc gttcccttgg ctgtgggttc gctggatagt aggtagggac agtgggaatc 420
 tcgttcatcc attcatgcgc gtcactaatt agatgacgag gcatttgcct cgtgcc 476

<210> 564
 <211> 498
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI013657

<400> 564
 gaactaaata aaacctgctg tcttcagtac agagtaattt gtaacacaag tcatgtgaac 60
 agacagaagt aatgtgaaca taccttattg ctgcattgtg acttggtgac aagattctga 120
 gcctggctga ccatttggag caaacgggaa attctatagg ccaggacagt ttctagagca 180
 caacaaaagt tgcagaaaat atggagaatt gcacatgggt cagtggcggt acagaatcat 240
 taaaatttca ccacatgaat gggaaccagt aatggccaca aagaagcaga actgagtttg 300
 caaagctgag ccatatgggt cagtgcgctc actgcaggag acagacgagg aaggacggaa 360
 ggacggagca cctcgtcagg tgtcaggact caaagtgcct tatgcaaaga aggctacacc 420
 caaaccttag ggagagtcag accaaagcat ctgatgttgt atttaatgat aagatagtac 480
 taagtcataa atataaaa 498

<210> 565
 <211> 510
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI013667

<220>
 <221> misc_feature
 <222> (1)..(510)
 <223> n = a or c or g or t

<400> 565
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 agttctattc attaaataac aatccaagga catccaacac tagtagcaat ccctaaacca 120
 gaagacggaa cggaaatcct gaggtgcctg ttaccttcca attttcgaat ctgaagaaaa 180
 agcacatgga cctcccagtt taactcctgc ggattactac ggtcctgaag aggggcggga 240
 tatcacggga gcgagaacac gaaaataaat aaaatcagtc aggaaccacc aaccgtagtt 300
 ccagcagcag caagaaaagc cagtctaggg ttccttgctt ttcacaactc tctccaggac 360
 gcaaaaactc tcagagaagg gggagggaat caaggaaatg cagcataaac atcacagaga 420
 aggaagtgag gttgagaaag agttcagact taactgtacg gactgctgac anaegaagtt 480
 cacttcatga aacaacacaa caccctcgtg 510

<210> 566
 <211> 407
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI013690

<400> 566
 aaaaaaatat ctaaattttt gtattggggg gagggagtaa aaaaaaaagc agcccctaaa 60
 ctgggcccta ttcaatggca acttcttggt ccaaagggtt aaggaaaact ttgaggaaat 120

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aaaagttggt tggaaaaatc caggtgtaat tgctttgtat gctgtgatgg gtaggaaaaa 180
tgaagtgaag tgtgaaggcc cctcaaacc ccatcttgc ctcaaactat gtcctggaag 240
cctggggcgg aaaaaacgcc actttcattc ctgcttcttg gggttattta ctgccacgta 300
gtgatagagg accacaagca agaaaagcga cagcccaac atgttggcga aaatggcgaa 360
ctgcacgtcc gtgatcatcc tgactagctc caccgcactc cgaccct 407

```

<210> 567

<211> 428

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI013745

<400> 567

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aaagatttat ctatataagt acacagtagc tggcgtcaga cacaccagaa gagggcatca 60
gatccatta tagatgattt taagccatca tgtggttgc gggatttgaa ctcaggacct 120
ctggaagagc agtcagtgc tttaccact gagccatctc tccagccttc aatagtattt 180
taagctcaag atattaatgg tccagtatat gacagagaaa catgggaaca gattttaaag 240
tggggataag aattacgcat ttattgttac tgagaggctc catagtcttt ggacagaatc 300
accatcaagc aaaagcttat ctagtaaagt tttagggtggc cagtaacttc atcaattagt 360
tctactggtc ctggcccaat tcccaggaca gttcgagagc ctggttcaat ctgagtacgt 420
ccggcatc 428

```

<210> 568

<211> 584

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI013778

<220>

<221> misc_feature

<222> (1)..(584)

<223> n = a or c or g or t

<400> 568

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tcttccccctc aaagggcccg tggacgtgta ggaaacactg gcaagacact ctggtgttct 120
cagaaacaaa ctagtctatta agtgagaaag tgagtgtaac atccagtcca ctgtggtctt 180
aaccatagtt ctgctcttcc taatgaggca ggtatgaacc ctttttcctc cctccaccac 240
actcacgagg caattgagtc tctcattgtg acagtacatg gagaagctga cttcaggatg 300
gtttgtttgt ttttttccat ctctttcctt cggtggaatc gggccagcct ctttttgaag 360
gagaatatta tttctttacg gaatttggcg cggaggtaga gggaccactg aagagagatt 420
taagacagat aagactggca aaagcacaga ttgcctgcc caggaggacc tcctaagcct 480
taggatccga ggttaccttt ctctagagac cggatagaaa tgcttgagga caggtaaggc 540
tctctccan aagagaggtc acaggcctca tgatttgcac aggc 584

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<210> 569

<211> 487

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI013832

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<400> 569
cctatgctgg ggtttactct cccaagcca tttccacac tctagaagca cagagcttcc 60
acaaataagt tttttttttt aaaagccatc tctgtataga aatcagactc tgccccaaca 120
ttatcatagt ctgactatt tacaacctt cacattttta ttacacctgt tctgtatttc 180
cccttccttc ctatccttac caaggagctc tgggtactttt ccttaacaga ccctgaagga 240
gtaagatgct gtagaagggg tgatgggctc ctcatagcta ctggcaccag cccagttgt 300
tgtgtcttgc cactgggtgg tggaccgctt ctccccacc actggagatt tgtaggactg 360
gtgcataggc aaggagagac acagaatgcg gtggtggggt ggggcaagac cccacagcta 420
caggcgtctg tatcatgtaa ccgctcgact tgagggtgac tggctgaaat caagagagat 480
cagtcca 487

```

```

<210> 570
<211> 568
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI013861

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```

<220>
<221> misc_feature
<222> (1)..(568)
<223> n = a or c or g or t

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<400> 570
atcaggatag aaatttattt aaatccaaaa taatatgact atagttagaa taatataata 60
attatctaaa ggaaatatca tcattggctc tgaaacagtc taacgggtgc atttttctgg 120
agtcaaaaac atgtagtaaa aggatatata ggaagcaaaa atacagaagc aagccggctg 180
agtgaggaag ctgtaacagg agggtagact aagatactgt aacaatcgag acaggaagac 240
aagtatagca agctgtctta cctatcaacc cctgcacagt aagtcagtaa cccagaatga 300
aggaataata gcacgtggtt aacaggacaa atttccctct aatttgtctt tgtaactgat 360
ttctttcctt ttttaccatg gggtccatct gggttaacaaa acatttgggtt ttatttghtaa 420
agcagagtaa ataaaatatc ctgatcagag tgctcaattt tgtttaagggt gctcaagggt 480
canacttaaa aagggtcaact gggctagtca gtgggaacca ttgggtgtgt ttgctaaaca 540
gatgaaagca gcagcattta aaatggat 568

```

```

<210> 571
<211> 492
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI013875

```

```

<400> 571
catgtgtttt tttttttttt ttttcatacg tcggaagcgg gagagatcag actaaagatg 60
gggtgggtata cctgggtattt ggatgagatg ctctgtggga ggctcgcagg ggattcagagg 120
gtggctttta taaaatggtt ttattttcta gctgtattta aaggggtggt taacattacc 180
tacttcatta aaaaacaaaa acgcccctca ggaaatttag atacaattgc gctagtcattg 240
gttggcatct atgagagaga gcaactgcat tctgaatgag taaaacggac gtgtgcattg 300
taatttactt ttcctatgtc cccttcgaga ggggcaaagt aaaacaaaga aagcagtgc 360
gttggctgag gagactgagc ttgcaaagca ataggtcttt ctgtccaggc agctcctacc 420
ccttcagttc cattccattt tcccttggga ctaaaagctc tgctctgtct catttaaggt 480
cttgtcttcc gg 492

```

```

<210> 572
<211> 480

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<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI013876

<400> 572
agaactccca ctagaaatth tataaatata tatgcagcat atatatatat atatattata 60
tatattatat ttgccacca atagattctc agcaagtctg gctgaaatga tgccatcatg 120
ataaatatta acaaaattag tgagttttca caggttttaa atatttcctt tgaaaaataa 180
taagttcaac ataatcaatg taattttag ctcacacaat ttaaaaagga gagggagata 240
cctttcttag aacagtttcc agccccaaa tgtgctaagt tgctggctga gttgcagcac 300
ttggtcaaca ctggaagaa gtatttatgc ctctctggga aggtaccaa cactgaagaa 360
aagagagaag agacccaaa cagtccagga gcattcctcc ggcgtgcaag gtcagcagga 420
aagggtcctc catgctgctg ctgacactca tgatgagtc tggaagcact cagttacaga 480

<210> 573
<211> 694
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI013911

<400> 573
ataatcagga cagtgatctt taataaaaaa catctctagt aatcatgatc ttgatgtaga 60
ttgttcatag gtacattcag aaatcacttt ctggccatga gaaaacatca tttacaaatt 120
tttaatgtcc caaaatacac attaatthaa aaaacttgat ttatcctggc cacttttttc 180
tcttgccag caacaataat cctgagtgcc tcaacaaaaa ttctgataaa aggaaaaata 240
ttgggaccgt taacaaatgt cttaaaattt gtctttaaaa gggggaaaag tgtttaaaga 300
acacatggag ctttcttaaa gttctttaac aaactacctt gggagctcaa ttcaaaaaata 360
gaacttgatg tactaaaaca gacgtttcag cgcagctcca aaaatcttta taaatacagc 420
aatttgcaag gacgatcctg gatcagaagt gttattcctt gtgtatattg tgtgcatgcc 480
ccatctcagt tgtcataatt gtctctgtaa tttcctcctg agtagcggtc atagccacc 540
tggtctctgc cactgtagtc tctagaccgc ccatacccat atccatagcc tccaggctcg 600
ctgtcgtatc ttccacttcc atatccctgg tctccaccac ctctagagta gctgcgacca 660
cgcccatggg ccccaaaagc acccctctg ggtt 694

<210> 574
<211> 685
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI013918

<400> 574
attagaattc ttttaataga tataaaaaag tactaaaata cttgtgtggt tctgctgtgt 60
tatttgccct aaaggaagtg aggggcagag tgaagaacc aagtgcagct ggggtggcct 120
ttccttaggc taaggcatgc tctcccac atccagactt gtgagccct gctgcccag 180
cccccaattc ctgcagcagg aagccccagt ggtctggctc tggcactggg agtagaaggc 240
acctgtaggg ctggctgggc aagtgaggac aggtgacct taacacaaaa tactactctg 300
gtatggggag caggacatgt agctgaagca gctgtcgagg ccctgcacct ctatggcaca 360
cgtggatggt ggatggccac ttctccggga gcgaggaagc ctagatccca acaatactaa 420
aacttgtttt tggtaaaaa taaatgcaaa gaaggtagat gagggccacc atgaaagcac 480
ccatgttgcc aatgaggctg aagaggcagc tctctggggg gtatgtgcca cacttgctga 540

tgagaggaac atcatccagg gtgcagcagg tcttagggcc cccttggtca gcaggggtcag 600
gagagcagga atcattgtag gaccagttct ccactgggca cacgtggcgg ttcacacag 660
ccatggcata cacagtccat atgcc 685

<210> 575
<211> 400
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI013924

<400> 575
gacagttgga aacaaaccca tcaaactgga ggtgatgaca tcccaaaagc ccaagaggca 60
aggggggttg cattttaccc cctctactta aaaatttttt taattaaatg catttttagca 120
aaagtgatta aaaaaagaaa aggggtcaaag cccagatgt cagcgagcaa ggtggtggct 180
caggaaaaac gggctcttca gtccctccag gaagtagcct aaaagctgcc actgtccctc 240
agacacaagc tcgagcaacc caaccaatcc tccctgggca aaaggccct gtactggccc 300
ttgtgtttcc taacccttc aaactcgaa actccaattc tgtgtcaagc cttccctgta 360
ccctcaaagg gaagctgaaa gggccctgga ggaggacaag 400

<210> 576
<211> 126
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI028938

<400> 576
tttttttttt tttttttcct taaaaaggaa accattttaat gggccccccc ttaaattttc 60
aaagggtcag tccattatca cagcagggag caccgggca ggcaaaccct ggggttgacc 120
tttaaa 126

<210> 577
<211> 445
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI028973

<400> 577
tttttttttt tttttttcca cagccttatt ggcctcctca tgttttctcat agctcacgaa 60
gccgaagcct ttggacttcc cactgcagtc tctcatcacc ttgacactta aggtcttacc 120
aaactggctg aatagctccc tcagattctc atcatccacc tcttctccaa agtttttgat 180
ataaacattg gtgaattcct tggccttggt tccaagctcg gcttcccgt ctttgcgaga 240
cttgaatctg cccacgaaca ctttgcggtc attgaggagc atgccattca tcttctcgat 300
ggccttggtg gcagcctctt gggctctgaa gtggacaaag gcataaccct tagagccgtt 360
ctcatcacag accaccttac aggacaggat gtttccgaag gcagagaaag tgtcatacag 420
tgccttggtg tctatagact tgtcc 445

<210> 578
<211> 300
<212> DNA
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI029026

<400> 578

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tttttttttt tttttttgca tatttggata gttttaatca ttagcttacg acggtatgct 60
gccaaaaccc ttttctatcc ttgcattttt cagagggaga atttgccaat gacgaatcac 120
gcgctcagac ctttaagggcc cctctgaact cgctaacgca tttcaaattg gcaacactag 180
ccggtatcaa agccggaggg ggtggcctgg atccagaact gctgtgagcc agcatcccag 240
cagtgaacag atggcacacg ctcgacagga gagaatgacg atcgtggaga gtcctgagca 300
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<210> 579

<211> 380

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI029212

<400> 579

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tttttttttt tttttttgat ttaggaaaaa ttttatttta tgcaagaaaa catagaccaa 60
aatgccagaa agccagtttt gacctctggt atgggtcctg attgggctaa aggcttattc 120
aaaggggtgat ggaatccttt agcagtagag ctgggggaaa ggccttttagg ttattggaac 180
atgcccttga gggattgtag cacttgggtc caagcgtctt ttctttcttc ctgcctcaca 240
gtgtaagcag tttgttctgc catgtgtgcc ctgccactgc catttggcac tgttgccaga 300
gacccaaagc aatatgactt cctgatcttg ggtggggaca tccagaactg tcagccagat 360
agattccttt tctctttgta 380
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<210> 580

<211> 549

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI029291

<400> 580

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tttttttttt tttttttcaa ctttaaagaa tttattttcc cattttttaga ataacattat 60
tgtaaagtcc acagtatttg caacatctgc attgcttaaa agtattccta agaattttgt 120
taaagcatat ttttaaaaaa cagaaccaa ataatgtaca tttttatctc taaacattgt 180
gtcattaaag tccatatact gtcttttgta taaatcaatg tgatgttaca ataataata 240
tgatctgatt cttatcttaa aggctgctga ccatgtatga tatccaagat agactcaatg 300
cctttaatgc cagactcaga aactgttatg accctagaga acgaggaag gctgtatgca 360
caggtgggag tctgatggct tagctatttg cagcatcggc ttggcgaggc catccgtcct 420
cctccactcc agagtcatag tcctcttccg aggactcttt cgatggagcc cgaatgtatc 480
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taggaactt 549
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<210> 581

<211> 482

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI029450

<400> 581

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agtattttcc actgttaatt tgggcataag aatagctgtt tattttgtga cttttttaga 120
agtttttaaaa aatgaaaaag aaaaactgta tctgagatct tagtatcatt ggttttaaaa 180
aaaggacggg agaggcttct gtttcatcca tcagtaactc cgaccaaaca aggtgtagaa 240
cttggcagga ttcttgccac agacacacat ggctcctggc tgcagctcac acagagggtt 300
gaaaggaatg caaaggcttt tggctcccat ggatggagca ccaggttcca catcctgac 360
cctggccggt gtcgttttga tccagtcttc acagtcaatt tccccacaga atggaatctg 420
tgcaaccttc ccagaatcta gcaccttctg aaagtcttcc agtgtatccg atacaacct 480
gt 482

```

<210> 582

<211> 240

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI029709

<400> 582

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tttttttttt ttttcttggg tgagagtcgg tgtctttatt gcacaatacc aatgtcaagt 60
tagaagttag gcttaaagac ctggttttca aagaaacatt cagggtcactg ggaacttggc 120
ttagccatca gacatatgaa agacagtatt agccttggac atttcttggc acttgtttca 180
gagtgggtggc ctggaccaac acctctaagt tcacatgcca agggccagca atctgtccaa 240

```

<210> 583

<211> 515

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI029827

<400> 583

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aacaagaac aaagtcggtc ccagactctg gaccgtgcag caggacaggg gtaggaagt 120
gttgggtgaa aaaacagaag agggctacac agtcacctaa gacagtcaca gaaagatggg 180
cttcaggagg ctgccctgcc cctaccctg agcagcagag ggagtgggac agtgggctcg 240
cccagatggg aagccatgtg cttggactgg ctggacctgg cttacagctt ggtttcttgg 300
gatacttget atccactacc tctccctgaa tctcattac tctggatctt ccagacttgg 360
aacagttaag actgggataa aggtaccgca ctggtgtttt atttgaaagg gaaaaataag 420
ggtcagtgtg tgcattgcc atcccatgag gaagggcaga accatgcca gaacatcctc 480
aaggaatgga gatccctgag cctgggggta cactg 515

```

<210> 584

<211> 323

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI029829

<400> 584

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tttttttttt tttttttgtt ctccataatag ccagattctt ttatttgatg atccatacat 60
tttaattcaa atagacacca caaaacttag gcacagatta agcattttac aagcaatgca 120
ttatgccaat tttctttgca attgccaag agtacaataa gtgaactcct taaatgatat 180
acttctgtac ataaaatatc catgtattaa tacaagtgtg tggagcagag tttaaaggta 240

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atcaaaccct aggattgaaa taaataggat gtgtccatac agagcagcat atcccagaac 300
actgtgcttg gaagtgggtca cgg 323

<210> 585
<211> 485
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI029847

<400> 585
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gtttctccag tggcctggaa gtccatgtct tccaccaagt cctggaggca ggcttgtac 120
tggtcagagg taagggagat cggctggctg ttggagatgt gcaagtccac ggttttcagt 180
gatgaggctc ccccttcccg ggccatctct aacagctcct taagacatgt aggaacaacc 240
ttgaccatca caagcctatt gaccacggc tggctctggg gccacgattc cccacacag 300
aaccacagag tgtatcgtgg ggaatgtctg cttccttcca tgaaggcaat gagatctggg 360
aaccacagag tcaggtcagt aaagaaaggg tcacagttac agcagccggt tcctggactt 420
ggtgggtaca ggcctgtctt tgccacaaag cttaatagca tgctctgaat tcaaccaacc 480
accat 485

<210> 586
<211> 319
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI029917

<220>
<221> misc_feature
<222> (1)..(319)
<223> n = a or c or g or t

<400> 586
tttttttttt tttttttaag attagagaga atagaaggga aagtgggcag actggaatcc 60
ccccaaaaat ggggcccaaga gaggaggaag agtagagaca gcaaggggtt gtggaagcca 120
agaacagcca gagcaggtga gtcgaggtgt tctgggtgac ttggggctca aggtatcaag 180
gtaactatgg caggtcggga cagcaagaaa gaggtccag gagaatgaga tgatgttccg 240
gtgttcaggc aagcangggg tcacagcaca ctgggattcc ggaagttgtg tcncgcgaag 300
cgctctgtgc cgaattctt 319

<210> 587
<211> 537
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI029969

<400> 587
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tatcacagtt acggaactgt gatcctgtta gctatgagga gtatgcattt ttttccagta 120
aaacagtttc atgcttataa aagtcaccga aggtcaagtt gtggcaagag cacgtacaat 180
aggaccaatc caagtagcaa agagggggag gcagagaggt tagaaagcag tcacaccgtt 240
gacacgaaaa gaacaacgaa tacacatttc tgtattttga aggcaattca caatcatttc 300

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caggaattct gtgagaattt aaggccattt gttctaaaga aatgtagaca tgacttcaca 360
aaactgtagt ttgtataaaa actgtacatt gaaaactatt tagaattgat tgtgagcagg 420
cagatcaggg cggaggggtg ggctatttca cacacaggca ggtcgggcca caggggtgag 480
tttatttcac aaatgtgttg tgcgctgagt cacggggctg tgtacgtgga actgagg 537

```

<210> 588

<211> 147

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI029996

<400> 588

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tttttttttt tttttttaca aacagaatcc cattttatta gcagttagtt caagattgta 60
cattaatgga ggaaagttcc cacatttaac acaacccaaa acggctggtt caagagccct 120
cttcaggtga gctgggtagc atgccct 147

```

<210> 589

<211> 394

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI030024

<220>

<221> misc_feature

<222> (1)..(394)

<223> n = a or c or g or t

<400> 589

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gcaagttttt taatacagtg ataaattaga aatttacagt acagacatca atgtagacac 120
acttttgtac atccttaaaa agggggatat atttccttgg aaattcagca atttggtcag 180
ggcatggata gcaggggttt gccaggtacc tctacactaa gcatccgaat ggccccaggt 240
tgcctccagg gttctgcagt tactgaaagg catgaggatc cacgtaaaag gcanagagca 300
actgggtaaa ctgctgcaca aaagacttct aactgtattt tatcggcttg cagactggga 360
ttattatttt agttcatcct tcttatgaag agcc 394

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<210> 590

<211> 503

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI030069

<400> 590

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tttttttttt tttttttaat cagcttacac atttaatgaa agattttggc aacctgggat 60
ttcattccat ttacaagctt cgctggtatt ctctgcacc cgtgcagatg cagcagcatt 120
tattcagctt cagtcctgct cgcagaaggc gggctttctt tctggttggt tgtccatggc 180
tctcagtcgt gctattttat ggtctagact cttaatcatt ggtgggcttc gaggtcttta 240
catctgcagg cctaccgggc agatgtccat gtgacttttag gcatctgtaa ggtgacaatc 300
cgacttagga ctggaagcag cgtagcgttc tgatgacctg agaatgctga ggtcggtgta 360
gatcactgaa gggaggatac ctgacctcga cccgtgaaga gtacagtccg tgcttacgcg 420
ttggcgccgg gacccttctg ctgccccaga cgggtcccgga cgccgcggcg gagttcctcg 480

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gtgaaagtgt ccttgaaccg cga

503

<210> 591

<211> 192

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI030170

<400> 591

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tttttttttt tttttttgtc cttcaaaaaa atagttttatt ttgcagatct cccggtagcc 60
tcttcggcgc acccaagtgg tcagggcagc agcgagcgac agtctaggct gtcctccaca 120
gcaaaaggac cttgcccaga actcttcac cccagaaca gcaacttttc tccactcgcc 180
ccaaggcccc ct 192
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<210> 592

<211> 399

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI030242

<400> 592

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cggccgcagg cgcacgaccc cgggggcccgg gcttttttta tacgttgcag cttttacttc 60
aatttgaagc acatggttgc acacagatgt gaacagcttt ggcccttga gcacaaggag 120
caggccttgg ctttgaacgt acccgttccc ccacatgctg gcccttccc ctggtccctt 180
cctccctaaa cgctcgtgcc tgacctgccc acaggcagct actgccctcc agcagagtac 240
taccatcatgt gatagcctga acctggccac tggtagaggag cacctggtgg ggcacatctg 300
ggagcaagga ccctcagaaa gatttccttg gggcacgtcc tgagtggggc gtggggcaat 360
aatgcttctt cagtctcccc ctttcttct ctctcaaga 399
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<210> 593

<211> 372

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI030259

<400> 593

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tttttttttt tttttttccc tgctccagt gtttatttgg tcccagctac ttccctcacc 60
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gggagggtag aatatgttct ttaggtacag catctctcac tgaggagtcc agaggctccg 180
cacctaccac caggaagctg tgcataccca cagcccagc cccctggtaa tcacagcggg 240
aactatcccc aacgtgagct gccgccgaag gctctacaca agcgagttgc aaagcctcac 300
ggaaaatccg aggatccggc ttaggacagc ccacagcctc agaagtcaaa acaaaatcaa 360
aatgttctct ca 372
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<210> 594

<211> 562

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI030271

<400> 594
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 ggacatgtct atataaaagg tattttctaga aaaaaaaaaa acccacaata aatcaaatg 180
 agccaaacaa aacataagaa gccttttggt cttttcaata acaaaagaga aacatattta 240
 gatgattaaa ttcacacaat atgaaaatga aatattgggt taacttcata aagcagaaaa 300
 ggagagccta aagaatatta gcatccaagg gcaaaacttc ctttttctcc tctttgattt 360
 taataaaccc ccagaatttg gcaaagaatt tcttgaactt aaattgtctt ctggtctgca 420
 gatacctagc agtatggcgt ttcccactca cctgatgttc aaatggcact gtctgggtcat 480
 gagcagcaca cttcctttgt cccacaagcc tacaggaagt caacactacg ccttgaaagc 540
 tactggcctt ccagtcattg ct 562

<210> 595

<211> 394

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI030449

<400> 595
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 tgaaattaaa gttcaacatg gtaaagacaa ggaaggcgct ctaccctctt gacctccaga 180
 gactccacag agatagcaac agtaaaggca gcagagactg cctgggtcag actgtaagca 240
 gggagaagtt gggaggaaca gaaaggcagt aagaatgata ggaaagacca ctgatagact 300
 gcacctgac ttcttgaga ggtcatggcc tcacagttcc accagactgg gaggcctgga 360
 acggcgagct catctttttc cagtcactag aaga 394

<210> 596

<211> 447

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI030668

<400> 596
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 aggcaaacaa aacaacagaa aaactcaaaa taggttcaaa tgatgtatat tcattctttt 120
 caggaaagca gaaggtaggc cctaccacaa agaaaagatg tcattaatgg aggttaactt 180
 tcaacgtaca ttaaatacta tcaattaacg tctgaagaga acctagggtt tgttcacctt 240
 gctataagca tgagttgact tttgttatgt cattgaaaac ataaaaatgc cttaaaaatc 300
 tcagctatta agtatgatct tactggaaat tcttaaccac aattttcctt cctggaatga 360
 tgtcgtgcct gtgcatccct ctaaataaa cggaagcac agctaagca ggcgggcttc 420
 aacctgttct accagctgaa acagctt 447

<210> 597

<211> 398

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI030835

<400> 597

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tttttttttt tttttttatg gtgagaccta ggaattttat tttaaaaata ttccctgcaa 60
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ttaagagaa gttataagtt catggtactt tccaaggatc tgccgttaac atggggtcac 180
acggaagtcc tctggtagca cctgatgtgt tcaactgttct ttctcgttgc ctgggtgggtc 240
tggtgactgc tgctctgtga cctttaattc atgatgcttt gtccattgca tgataccaat 300
catcaccttt gtctcattct cttgtgtggg gaagaaccaa acttgttctg gtgaccagac 360
atctgagcta gttgttcttc aactgccatc agtttgat 398

```

<210> 598

<211> 451

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI030932

<400> 598

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tttttttttt tttttgtatt caaactagct gcttttctaa tctaatacagg ttaatttcaa 60
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gtgacaagag caggtttact gagttgtgag ctcagactgc tggaccttca ggctggcctt 180
gtccacctcg gtagactgag gataaaaggg acctaccagc cagttgagag gcgtgttggt 240
aacaaggtaa tccataactt catctaagga ctccttcatt ttctgcagct gccccttgct 300
agaagtgagg acgccatcag acacttcctt gaaggaggta acattgcgga acgccagagta 360
gatgtcacct gccatcacc ccaagtgttt ggccctggct tgaatgttct gtggtaaccc 420
ttggacgttg aacaggaacg tctggcatgt a 451

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<210> 599

<211> 191

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI043654

<400> 599

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tttttttttt tttttttcct acgatatgag gactttaatc tgtagacata tccaagggcc 60
cacccccacg ccacaagctc tgttactcct tgtggctgtc attatgagct gacatgccca 120
cccttatcac catcacaacg aattcttcca agttaagtgc gttgctcact atctgacgtc 180
caattctttg t 191

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<210> 600

<211> 410

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI043655

<400> 600

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accttctatg ggcaggagga tgtccctcc tctgtatctc tttgggttca tcataaagaa 240
agccaagtag ataatcattt cttcgtcggg gggatcttgc catgtcccca aaaatcatct 300
cctcactgct gttggactcg gatgtggacg cccagcggca gtgagccac acatccttca 360
cctgtccctt ggacatctgc actgtgctcc tgcaagcagc tggtggcaca 410

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<210> 601
<211> 370
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI043724

<400> 601
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cagcctataa aaacatccga acaagggttt caaagcagtt cccaccccca aagcaacaca 120
cacaggacag gcctgagatc agttcattca aataatcttt gtacgcagag catcccagag 180
tatcacccca gcctaacctg gagaaacgtc accgacaagt gcagcagtca gggtcagcaa 240
aataaataga gttaatatat atgtgtgcta tccttgaata tacagtgaag accgggcccc 300
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acccaagcaa 370

<210> 602
<211> 188
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI043728

<400> 602
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ggaatcccat cctcagacct ccatctacag acgaggaaca tgccggacag cactgtcccc 120
ccgcgcctgg tgctcaccgt cagaccagcg catggcatca tccagcacgc tggggacacc 180
tctccaca 188

<210> 603
<211> 485
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI043752

<400> 603
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ccaaaaacca aaaaagccca aaccagtaac agtaacaaga acctctgcaa aatttaaaca 180
accgttactc atctcacata aggatacaaa cccttccttc atagcttaga aagtacctcg 240
catcgctgga gacagacatc cagtccaaat tagtaaaatg cattttaaaag cattacaagt 300
ctaagcatat agaaacagaa accacaccat cggtcagatg aacacaagca cttttggctg 360
gtggatgcag aaagaatgtg agtgtcggca ggaaggggta agaaaatggg tgatgttgaa 420
gcagtattaa tatggcgccc gccctaacct ctgctttctc aaaatgaaag cagagcagcc 480
acctt 485

<210> 604
<211> 346
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI043761


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<400> 604
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aaccttcttc cccttaatat tccaaaacaa atgaagatga acatgaccaa ggtgcagaat 180
tcagctgggg aattagaaaa tgtaagcag gtagagaggg aaattgtaat accatagcat 240
ttaaaaactg aaagattgca gtcaagcgtc ttcacacatt aggatcaaag gaagacaatg 300
tatcgatcga ttaatcccaa aatgtagcta acatctagct acacac 346

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<210> 605

<211> 498

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI043805

<220>

<221> misc_feature

<222> (1)..(498)

<223> n = a or c or g or t

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<400> 605
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gaaagcttta acttattcct gttctaacat aaaccatggt taacaaacag atgcttgaac 180
atgtgccgga atttagatta ggcaaggaag ttcactccac ctagcaagca agtctgaaat 240
atcatctttg ttttttaaaa gtttgacctg aattactgaa atctaagga ttctcatggt 300
cagtcatatg aatacgttat aatcagtaag aagtcagtat tgcacattaa gcttggacca 360
actcaagttt cttttttatg agttctttgc catatgtgtt ttgtgaaaag cctttttcat 420
ctagacagta ttgcaaagat gtcatagttt atttgtctcc acagttttat ctacaggagc 480
attgcacgtt gcccgtan 498

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<210> 606

<211> 323

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI043855

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<400> 606
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ataatgcccc agagagtaag gtgcctatta taggaagaaa atataatctt attacaccag 120
ccattaagta aatcatatac attgccactc atgtatcata tcagcctgct tggactgcag 180
ttccttcgtg gatgaagtct gcaagtccca gccctgctgt agagccagcc gctccctgac 240
tggagcgtct ccatggtcgg ctttcctggc taatctcagt attgttaagc acaatgggta 300
ttttttcctt aatgaatatg agt 323

```

<210> 607

<211> 487

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI043945

<220>
 <221> misc_feature
 <222> (1)..(487)
 <223> n = a or c or g or t

<400> 607
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 gcactcttga agcacgcact tgttttggtt tacagacacg gcagtggcca gtgaacggtg 120
 cctgcactgc caatagaagc agtgacaggc gaccactccg actcccgcac tcccgtacct 180
 atggacttag ggccgagtcg gtgacataat gtgtgcgttc acagctgggg ctcanagcag 240
 gagccttgca gggcaagcac acagccctaa gctatgcact caggctaagt cttttacaaa 300
 ttatatattcg taaattcgcc atattcactg aagctctagc tatatccgta agactgtaaa 360
 catctcggtc accactggca gctcgtanag gagacacact atactgtttt aggaagttgt 420
 tttgggcaat aagtgcagaa tctgtgcgta tctcataaga taaaaatgtg aaactcatcc 480
 ctgggat 487

<210> 608
 <211> 487
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI044101

<400> 608
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 agagaaacta cgcctcaaga tcccgtttgc agagtattaa cgagaaggtc tacttggtgg 180
 cagcagagga aacaaacatt aagcaaagag cataaaccgt aggcacagca tgtgtgctgt 240
 cttcacatcc agcctcatgt tgacacgggt agatagggat tcacatacac caagctgttt 300
 cggagggcac gggctctcgg tgaaccagg ggtgctgggg gaagggggct ggcttcacg 360
 tgagtatttc atagagttaa aggaggagag agagttcaaa tgtggccttg aggettgaa 420
 atcctgggaa agttgaggca ccagcctgaa aagcctaaga atcttcctct tctcctccct 480
 cttcctc 487

<210> 609
 <211> 337
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI044241

<400> 609
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 atatggccca ggcttgagc agtgaggaa gtccaacgaa ggagctccct gagtactttt 180
 ctagggccaa ctcttgaga ctgcagctc atggagtgc gcccgtataa tgtagctttc 240
 acgttgaggc tgccgatgag gtctcgacga ttttgtttat acacatcatg ggtgatgcgg 300
 gcgatgtcct tgccatgttt tggcttctcc cgtccta 337

<210> 610
 <211> 471
 <212> DNA
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI044247

<220>

<221> misc_feature

<222> (1)..(471)

<223> n = a or c or g or t

<400> 610

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ggatccagcc ttcaggaagg tcctaccttc caccctattc caggcagctg gtgaggctga 180
aagcatggga accaggcaac acctgctttg ggtggagaat cagcacacag gctgggcaga 240
gagctttatt ggagggatgg agggcacgat gttctgaaca tgagttgagc agagtattgg 300
tagggagggc ttaggtagcc aggaagcccc catccactgg caaagcggaa ccagtagtca 360
tgctacttcg gttgctcagc angaagagga tgggtgtctac cacgttctcc acctcagcaa 420
acttgccaag tgggatacga tccagcatga ccttagcttt gtgcgggtca c 471
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<210> 611

<211> 356

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI044292

<400> 611

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cccagctga attttcacag agcttataaa ggaaaaaacc acaaaccagg gggatcaaga 180
gggagggagg aggggaattc caaaaccata aactgcccat acaatttagg actttgtgac 240
attgtgatta ggggtagtga cattttacag ggccattgga ccattgtggc cggaggctat 300
gggtcattgt ggctgttcca ggaaaccttt catgcaagaa tgttcggga accatt 356
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<210> 612

<211> 477

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI044325

<400> 612

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caaaagcaaa tgcattgtaa caaaagtggg ttgaagcgta tcacatttaa ctctctgctc 120
ccgccacaaa atattttgtc ttttccttat agtttcagaa atcagtacca ttaaagcctt 180
aaacagaaaa ctaattccaa tctgaaaaag gtacaaaaag gcacataaaa tcccagtgtc 240
tctgtactgt aaaattcaag tgtagctgag ctcggtgttt tccagacagt atcggtacac 300
tgatattccc tgggagccca aactggttcg cagcctacgc caaagcctcc agcaagcacg 360
gtgctagtgg actacagagt taaagcctag cttctgtatg ctttttggga atatcaggtg 420
aaactgttca tacgtgtcca aaagccaagt ccgtcctgcc gttcagtcac caccacc 477
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<210> 613

<211> 407

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI044338

<400> 613

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ataaggtttc tactccacct gataaactgg cttctatccc caccatgggt ccagttggag 180
gcacttgat tacagagaaa cagcagctgg cttgaagagg ggtttttagtc taaaatctcc 240
cagtaggaac acagaacaga ttgaacttgt gttggggagg aaggttgcta cataccagag 300
tacgtttcag tttctcaaac cagaggggca cccaaggcac tttccctgtc cccactcacc 360
ccacaatcca ccttacttgc tgacctccac ctctgtgtgt caaagca 407
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<210> 614

<211> 283

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI044345

<400> 614

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ccaaagctcc aagtccacct cctggcccac tggatcccag aaaagataca caggctaagg 120
ttgtccccta aggggaaggg ctgaagtata tggcctgtgg gctgaagctg gctctgttct 180
gggcaatcca gtgtcccaga gagacagggc catcagatgt ctttttccat ccagaatata 240
gggcacccct tcagatctcg atatcgtgtc tctaacgggc ttt 283
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<210> 615

<211> 447

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI044404

<400> 615

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atttaatcat tctttatgct tcacaggtat tcagcgtttt tagaaacttt tttcatgtca 120
gatgccatta aacaccttag ggtttatgaa gacctgtaca acatgggtct ttttcagggt 180
ttcaggttgg tggagatgtc acacatacat acctccctgt actgtaacac agaaatcaat 240
aaatatcaca aaagaaccag ataccattgg acttgagaga cagaactcac tgctaggaaa 300
tgaggagaac ctgtcccacg agagctgaat ttgacttgtc aggagtaaat aggatttcca 360
tagcttgtgg tgaggactaa cgatctaagg aatgtaatac aaatgtatcg gaaagggcag 420
actaaattgt gaaaacaaac agttcag 447
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<210> 616

<211> 446

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI044533

<400> 616

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tcaagtaata aatagttttt agcatttgtc acaatctgcc tgcctgggtg aataaggctt 120
ccaaaatcaa gaagggaatg tggattctgc aaagccttcc acagcaaacc tgggccccag 180
ggaccctcct ggccttcact gaggaatgaa gataccactt gggagtccca accccgcctt 240
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gcagtaccca ctggacccca agatgtcttc aatccaggac aaagcaccct attttagccc 300
 taagatccac actaggcctc agggctgagg agaagcttgg ctcatgactg gttggagatg 360
 tgccctggatg ctgggtgcag gagaaacagc cactctggcc acagccagca cacaggttct 420
 tgtgtcaggc tttcatcact gccatg 446

<210> 617
 <211> 387
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI044550

<400> 617
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 tggggcaagg gaagttgcta tattgaaatc agggaatggt tctgccagta cgtcagacag 180
 gtgctgtctg cagagcagat ataagagacc cctcaggtga taatgacagg gtcattctct 240
 aaggagatag gacaaggctg agaaggggag aagatgcaag aaggacattg tgcggctga 300
 cacggtgaga cacaggttcc acagctgcta gcccgtatgc tggctgggct gctgctgtcc 360
 catctagtcc caagagatga cttttat 387

<210> 618
 <211> 263
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI044621

<400> 618
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 ccagtcctccc aactctctcc tagtaaacgg aaaagagtcg agtaactcgg tgggagcttt 180
 ggaatcttcc aaggctagtg tcggcagggc acggagtgga gaactgaagc aacgatctgg 240
 ataaatcgca ggggaatggg tgg 263

<210> 619
 <211> 388
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI044900

<400> 619
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 accagaaggg tcacataaat gtactgcatg tgaggtggtg agggaaaggg acaaggggaa 180
 ggggttaaga agagaaatct ctgggtccact gtgactttct tcagcctgga cagttgctct 240
 taaaggggta gctttcttcc agtgtactgt actcttcaga gcagcagacg gctgcagggt 300
 gtgcagccag cagcagacgt atcagaaaga gtaagtccta accccttggt tagaaaaaca 360
 ggagacagaa gttttaacac ccacctta 388

<210> 620
 <211> 460
 <212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI044925

<400> 620

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ggagtaactc tggctaactc ggagagggaa gacaaagttt agatctgggt gagatttggt 180
tacgtttcta aaagaagaac tccgaaagct tccagacttg caggcgtaag ataaagacag 240
cgttgacatt tgccgggagg tacggcgata gctgcttctc agctatcatt tttcccccta 300
ggcactgctg gctttctttg actattatag ttgccagaaa aatccttgct ttttttactt 360
tgaaaccagc atttgaatgg caagttggat ataatgggat gagaccaa at ctttccattc 420
ctcacgggag taatgataga acacaatttc caatcccaca 460
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<210> 621

<211> 320

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI045116

<400> 621

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gaaggggttt ttaatgcgta gaaatatcgg ttgggcttag tagcacatac caactctagc 180
agagtcagcc agatctctgt gagactaatt ccagtcctgg ctacacaaag atgtgtaaga 240
ctgaaagagc tacatgggtg aaacgtctct caaaaacagg agcccaaaaa gataggaaaa 300
atattcagac cctcgtgccg 320
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<210> 622

<211> 396

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI045195

<400> 622

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gccagtcct catccttgat ggagatcttc aggtctgggc tgatctcaat ttcagctagc 120
aagagtcct acagcagttc cacctcctcc agggaggtct gcaggactgg attcaatggc 180
agggacaagg acctctttgg ccgatgggca gctgggaaca gtgcagccct gctccacctg 240
cacgcagtgg cctgggcgct ggagagcacc agcagaatcg tcagcacctt ccagggcac 300
ttccaggagt gagacaaact gaccttctat tctctcagga cccaggagc cacaggtggg 360
cccctgctct tctctgcgag cctcgtgccg aattct 396
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<210> 623

<211> 353

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI045253

<220>

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<221> misc_feature
<222> (1)..(353)
<223> n = a or c or g or t

<400> 623
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atttaaaaaat aaacctaaaa aaacaaatct atcttcagtg agggagctgg caagagggct 120
cagcagataa gagcacttgc tgttcttgca aaagacctaa gttcagctat tggctcctat 180
atggtggctt gcaacttcct gtaattccaa ctccatgtag ttcttactcc tatttctgac 240
cattgtggga catcaggtat gcacggggta cacacacata tatgcagaca aaacatttaa 300
ataaacatga aatanaataa tctaaaagac cttcagagag gattggcaat gta 353

<210> 624
<211> 457
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI045256

<220>
<221> misc_feature
<222> (1)..(457)
<223> n = a or c or g or t

<400> 624
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tcctagtaca cagttgacaa taaaccttga ctcatacaaa gcaccagatc ctttgtttgc 120
ctgaacatca tagtaaggct ggggtttcag gaggcttgct gtctcggttt acttagatca 180
gagtgcagat tgtgcagagc cttcttgctg atacattcat tactgtcgac ttactgtttc 240
tatctgaaca agaacagcag cttttctcac cagaagtcac ccacattgct cagcttaaaa 300
tgtcacccac ttggaaaggt gagcccatgt cagcatagta ctgctttaa ggagagtcac 360
gtcagaagat aacagctagt tacagcaagg caaatgggct tacanaagct acgtggactt 420
aatgtcagat atatcatgtt tagacaactt tacatga 457

<210> 625
<211> 396
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI045440

<400> 625
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ctgtgtgtat gtatgtgtgc cacctgtgta cctgggtgcc ttgaggggtca gaacagggca 120
ctggatctcc tggaactgga gttgcaaaca tttgggagcg gccatcttag gtgctgggaa 180
tagaacctgg gaccctgga agagcaaccg gtgctcgtaa ccaatgagct atttcccagc 240
cccctcacca atatttttca taactgtaaa agtaaagaca tttattgtgt aaaacaaaga 300
caagttaggt gaaaaaaatc aactttaa tcccctttag gaggaccgta ctaaaccattc 360
aggatgtagc tgctatcaca aatgcacctc gtgccg 396

<210> 626
<211> 439
<212> DNA
<213> Rattus norvegicus

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<220>

<223> Genbank Accession No. AI045441

<400> 626

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aaaacaggcg ttatcacaga tgtacaaagc gtactgggtg ttgaacatac aagaagggtg 120
ctgtcctttg cacataaaaa ttttgtttga aactgtgatt ggttgagtac acgagttttc 180
tctaaccagt caccacactc tgaaataacg ctgctaacat tcaactgata aagggaccgt 240
ccccttgggg aaagtgtcaa gcagggttaa atatgtataa tagacaagca ccatgaggaa 300
tctgtcctg ctcgatgggt ctgtgtctca atgtccttgt gtaccctctt tttgtgcaag 360
ttgattacat ggttttgggt gactccaaaa gcacatgggc acaagacaaa cttttttttt 420
ttaaaaaaca ttctcatga 439
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<210> 627

<211> 453

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI045555

<400> 627

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aagggggagt agtccttttc agtcctctta agaagcaagg tgttggtct gcaatcctca 120
atcatctctt cagttcctct acgtacccaa aagcatcccg gagaagctgg agccgttctg 180
gatggtgagg actgccccag aactgttgct cacgaacaca gagacatact gtccagactg 240
taaatacaga agccctgaa cctgcacggg gaagaccctg ctggtgctct ccaggcctga 300
cacagcctcc agggacgtat gacggtgaca caaggactca atacagatga ggacacggac 360
cgtgtcccg gtacgtaacc ggcctctgcc ctgcagttca ctgtggtcca cgtgcaggct 420
ggcagaaaac tggaagatgg cagagactgg cgc 453
```

<210> 628

<211> 422

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI045624

<400> 628

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acagccggaa agcgactcac cggagcgcca tgggtccacct cacaaccttt ttctgcaaag 120
cctaccacgg cggccaccta accatacgcc ttgctttggg tggctgcacc aaccggcctt 180
tttaccgcat tgtggctgct cacaacaagt gtcccaggga tggccgattt gtggagcagt 240
tgggtccta tgatccacta cctaacagtc atggagaaaa gctagttgct ctcaacctgg 300
accggatccg gactggatt ggctgtgggg ctgagctctc taagcccatg gagaaacttt 360
taggtctgtc tggctttttc ccgctgcac c gatgatgat caccaatgct gagagactac 420
ga 422
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<210> 629

<211> 551

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI045802


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<400> 629
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ccaagtcagc tccaggggtgc ttggcccttt gctttggggc tgggaaagaa gcactatgtc 120
atggcggagg agagctgctc atttcacagc aactggcagt ggagaggcaa ggaaggacct 180
ggggtcctga tacaccccag taacataact tcctccgaca aagacccact tcagttccta 240
ccttctttta gctaagggcc aagccttcaa catagatttg gggtagattt aagatccaaa 300
taggaccagc caccacgaag aaggatttta taggagcaat tatatggaga atgttaagag 360
ctaactacac cttttctaca ctagagagggc aggtaatgcc gcagaaaagg gggtaggttg 420
ataaagtccc acgcacaggc agcaagctca gaggattcaa aagcacttta gagggacttg 480
ccctcaaagc ctgctgctcc ctctcatcca gtgtccacac agagctgacc gcatttcctg 540
gtagcctggc t
551

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<210> 630

<211> 387

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI045881

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<400> 630
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tgtaaaggca gcatttttaa tacctttatc ccctcctgaa aagtaatctg tcacacctag 180
gctgggcact gaatttaaac ttccccacat tgctaggcta tggctggaga aactgaggg 240
gtccagttaa cctgaagggt gttggaaagg accgtatcac agcccctgca aacaaaatgt 300
gtaaaaaacc ctgttggtgc caatccactg gctccctaga tttaaaatat cctgatattg 360
caccaaaaag ggtaactaaa aactgtc
387

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<210> 631

<211> 378

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI045972

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<400> 631
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tttatgttgc cggagtcttc cttggaagtg ggaggagctg gtgattgaga tacactagtt 180
tctccttggg acctatatgc agcttggtgg ggtgctgcag caggcacctc ggctctggt 240
agggttgggg atacaacccc agcaggtctg caaacacatg ggcagagacc tctgccccaa 300
gccacaaga acacggacgc tgatggggcc aatggtggtg gtccttgagg agtgaaagg 360
acgctgagat gttacatt
378

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<210> 632

<211> 319

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI058319

<220>

<221> misc_feature

<222> (1)..(319)

<223> n = a or c or g or t

<400> 632

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ccgcaacaca tgtgagttgg gaaacatatt ccggatcctt tctgggaaaa ctgtggtctg 120
ttgaaaggtg tanagcagac tctgagacag aacacttgga gtccctcgta gagaagaggc 180
atgaattact gaaagcagct tcattgcacg aactgtatca tctgctgtgc ttgaatatgg 240
tgccatgtgg aacaatcgcc gtgttggtaca gatgggctgc agcgattcac tcttgagcat 300
gacagacttg gaggaacg 319
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<210> 633

<211> 371

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI058341

<220>

<221> misc_feature

<222> (1)..(371)

<223> n = a or c or g or t

<400> 633

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tttttttttt tttttttgat tttcttcaaa tttctttatt atagttattt tatacatggc 60
aaactgggat aattttaatt taactttatt tacacatatc acttatatgg aaaaattctg 120
ctaactgta ngatgatgc tggaccacca tattctgaac aatatgtact ttttatcttt 180
ctccttgatc agagctcagt tggaaattctt taaaatgggtg tcactttggc aaccgatct 240
ttctttacct ctcttgagct tttcctctta ttttctacat cttggatgga gtcaggcaga 300
ggctgattcc tcgtctcagg aagaagaagg acaacaaggc tactaaggat gggaagaacc 360
ccatagatga t 371
```

<210> 634

<211> 386

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI058388

<400> 634

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tttcttcac tttgtgatctg aatcagatgg tgtttctggg ggaacaggat cctgggtacg 120
gctctgtttg tgcttatgct tattcttctt cttgggaggc tgaatatgca tcagacgaca 180
ctgctctggc aacgggccag tatggaggcg gaaaccagac agcatggtcc ctgtgatcgg 240
attaaaagag ccaccaagaa taggaggttt ctcaatgagg gagcgaggc tgctgttgtc 300
atgggagcca ggaagatcaa tcatccacg gaggtcaggc aggaagttac ttagcttctc 360
cttcactttc ttccacaga acttat 386
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<210> 635

<211> 467

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI058430

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<400> 635
tttttttttt tttttttata aaacttgata aaaaatagta tttcaaactg tacagtcacc 60
agaagtacac agttatcaaa aacgcacaca cgtcacttgg catctccagc accgtccgct 120
ttctgtgcct ggtctgtttt ggcattctcg ttttctgcag gattattcgc atccttacca 180
gcatccgctt tcccccttct ccccttgggt accttctctc ccttctttgc aggggccttt 240
ttaggcttgg gctctggctt tggaggagca ggttttagcag acaaccttgc agatcttctc 300
tgtggctcgt ccttcacctt ggctttgtct ccttttagcat ccccttcagc atttcttttg 360
ggcatggcgg cggcagggga cgtcggcgct gagcacgggt ttacagcggc gcacgggttt 420
ggtccgtccg ggggtcgtcc tcgctgcttc ttctctgtgc cgaattc 467

```

<210> 636

<211> 496

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI058436

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<400> 636
tttttttttt ttttttttagc ttttgtttgg ccttttagtct gaaaaagtgt tgcttgaaag 60
tgtacaacag agagcgggtg caagcggcta ggggtcacag agccgccaat aaaaaagaat 120
gtccttaaat aaagtgttca cagagtaaaa atcagaacta ccagtccttc cctccaacac 180
aacagagcac aggcacagaa ccgatagtcg atgagcccaa ggagtaagga ggaggctgga 240
gaggacagca gaggctccca ggctgcccg cccagaggga gagccctctt tggaatgggc 300
tgaggaaaag cggccagccc cctacacacc tcatacccac tgctaaggct aaaagaaaag 360
gacaaaactc agtctcgggt ccaagggctc agaacagtcc aggtgggcag ggtccggttg 420
actgctagtc ccgcttggcc ttcttcttgt cactgttgcc attctcttca gccccctccg 480
tgagagtgct ctcctc 496

```

<210> 637

<211> 490

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI058581

<220>

<221> misc_feature

<222> (1)..(490)

<223> n = a or c or g or t

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<400> 637
cggccgccgg acacagccgg ctgcagtgtg gaccatggac tggagctatt gaagacccaa 60
aagaaagaaa atgttgagag gtggaatgag cttggtggtt gaagagatgg ctgaagattc 120
acacttgagc tgtttcccaa aactaagtgc tgcaggagag cagaagcagc tacctagcct 180
gccagagaca tgctgtttct aggctanggt gactgctgac acaaggaagc aaaaaaatt 240
aaaaatactg gagcgtgtga taatgatgag ttcagataac gcatgggttg agttttcggg 300
ccctgggaca tgctggagat gtactgttgg tactgagaca tgacagaaca tgatgaatgt 360
tctcagaatg gaagaacatg gcaaagaaaa gttggagggt tgaaaagaag gaaagactta 420
actctaagga gagactcagg ctttggacta ctgctctttt ggaagattta aaataaactt 480
tgaatgttaa 490

```

<210> 638

<211> 376

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI058603

<400> 638

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tttttttttt tttttttgct ttgttcaact ttatttttct ttcaagacag attggactag 60
taagtcgagt gatagttggt gaaaattcta gaaagcaaca agaggatcag gaaggagatg 120
gagcatcgag acatggacgg tgaagaatag gatcatgggt attcgtttagc tttcttcttt 180
ctctgttgac aaggcagctc cagttacatg ttattaggga gcctgacttt gtagcagaat 240
gggaaagaag ggacttaaga gtgagtcag ggtaagcat gtgctatgga aggattgttt 300
gattcagcca taggcccattg aaggagagac actgcctgcc accccatccc agcccaagtt 360
cctttacagc tactca 376
```

<210> 639

<211> 346

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI058746

<400> 639

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tttttttttt tttttttaca ttattgactc agtgtaatgg cttaaaaaac aaggttcctc 60
aaggactgcc aggggcccag gcatagtcac atcctttgtg aagagcggaa ggaaaaggag 120
gtgaccgaaa attaagttag gggagatgaa aacttcctgg gaagagaaga ggaagggtaa 180
agtgtgtgt taggagccaa gcgacaggag accctgaggc cagtgatgtc atcccagaaa 240
caacatgggt acagaagttt aaaatcttta agccacgact ttgaaggact agtgcagcag 300
agcgagcacc tatgttgagc atgacagcct ttgctacccc agcaca 346
```

<210> 640

<211> 371

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI058956

<400> 640

```
tttttttttt tttttttgat ttaaattggt ttattaaaaa aggtaccact tgatgggtga 60
gagggtattht acacatgtat acaaataaag aacccaaaaca gtcaaattatt atatacaggt 120
taaaacataa cagtcccat tcttttctt aaggcagaaa tgcccagacc ccatgccaac 180
tgaactgggg atggaggaaa tgctacatct cactgggtct ccccatgtca cttgctgtgg 240
accagagaa ggggtagaga cagacagctg tagagagagg ggcagtgcaa gctggggggc 300
acgtatctca tagcaccttg gccaaagctg ggcacttatg gaagagacca gctttgttct 360
gctgttcccg t 371
```

<210> 641

<211> 324

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI059270

<400> 641

```
tttttttttt tttttttgcc tttggataag tttttattgt tgacaatagc tttcgagaat 60
acccttttca ctaccatccg attgtcactc tgtaaataaa cacatacccc atgctacata 120
```

```

ttggaagggc taagtttagt cctaagcgga tatcaaatat gaatctgcca tccactgcag 180
cacgctggat gctaacacgc tgaatacagt taacatttaa acagacttac ttcttcctgt 240
aattttaaatt cagaaggatc tgctgcaaca gccatgaagt aaagcagtct tctaaattct 300
tccctatttt gggaatccag aagc                                     324

```

<210> 642

<211> 243

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI059386

<220>

<221> misc_feature

<222> (1)..(243)

<223> n = a or c or g or t

<400> 642

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tttttttttt tttttttaca ggtgaaataa atttttattg atcagtataa aatatttcaa 60
cacacaatgt cttacatttg atattgtctt cagtctgggt actgtttcct tgcaatagtt 120
gggatagaat ctgaggcctc agacatgaca ggcaggctct ccactactaa actatgcccc 180
agacccgagg ggttctangc aagtgtcttc ctattgaaac atggccacag ctctcctagt 240
gta                                     243

```

<210> 643

<211> 405

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI059389

<400> 643

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tttttttttt tttttttcac tgactcctgg atgtttattg cgtcatggct ccaactgaac 60
acacaccacg ggacagtcag tcattgaagg cctccatttt gagcacttgg gctcatttca 120
aaagcagaat ttttaaaaat gtaccagtg ttgatttcac ccatctaaaa ttgttgtaga 180
attcagaggg ccaagctgaa aacgtacata gaaaaataaa ggtatagaaa ataatttcag 240
attgttttgt tggagacgtt ggtggcactg ctgagggctt tggctgcggc tctcactcat 300
ggtggtacac cgcggtgtgg cctgctggct tctgcttggc ctctaaaaca gctggatcat 360
ggactctctg gactttccaa cgccaaccaa tttgactgca acacc                                     405

```

<210> 644

<211> 493

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI059444

<400> 644

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tttttttttt tttttttcca aaagtacaca tttaatgagg ctttgtactt taaatggggc 60
tggaaaaaga tcctaaacca ggcacatttc cttccccctt aattgggtct cagtatgtaa 120
ttcaggctgc cctggaagtc tgtgtggtct tcatggccaa gggactttag gccactcag 180
ctgcccaaat cccagggtat aggagtgtct ctcttgccag cctgtttcct gattactcaa 240
agaggttttg ttttggcagt gctggggata caaccaggc ttttttattt gggttaaaaaa 300
aaccctaaaa actatcacta caaaaacaaa acaaaaacaaa aaaaaacaa aaaaacccta 360

```

atatattaaa agctacttct ttctgtgaaa gagaaaattt gaaattaaat ttgttgtcac 420
aagatgaatc tttgtcttaa gctgttttct cacagaaagt gtatgttttag aaaacgttat 480
tattccaagt gat 493

<210> 645
<211> 299
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI059543

<400> 645
tttttttttt tttttttgat cactgaacat ttattcttaa tcttagaccc taactgcagc 60
catggtgctg tggctgtgtt gtggtggtca ggtgaggccc aaaaggctcc catgagagga 120
cccaaaggct gacgctgata ctctatggct atgtggaagc cacgcaggct gtgacatggt 180
caatgctcca actaggagcc catacagcag aatcagcatc cagggcaggc ttatagggac 240
tggcgctgtt ggaggacgcc tctgtagacg ctccaatgca ctcccatgca ttgggggcca 299

<210> 646
<211> 374
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI059604

<400> 646
tttttttttt tttttttaat tttaaactctg aatttatgtt ttgaaataaa aatgcaagat 60
atctgacttt tataaaattg tcacatggga acacatttta aaataccacc acatgctgta 120
tttacttaga aaagagttaa cagtaaattc agtctaaaca agaactact atcagttata 180
atgtgagttc cttcctttct ttgtgcaata aggaggctta tgggaaatgc tggccccaca 240
gggagagcca gcatgactc agcacctcca tgattaagga agcctggagc acagacgccc 300
tgatggggag gaggggtgga ctccagtctg cagctcctcc acatgggctg cagggcctat 360
tgccggatgc tttc 374

<210> 647
<211> 250
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI060071

<400> 647
tttttttttt tttttttgct gggcctttgc ttgtttattt tgcttcccga ctcttctctt 60
ggggttcaga gccactgagg ggtggggcaa gtccaggcaa ggagtggagg ttggaggaag 120
atgcggacca cacaacagc gccactgtac acattaccac aggcagcagc aatgaggacc 180
acatatgcct agcatggcac aaaaggaggg caagtcagtc acagacacaa acattggcaa 240
aggtggggga 250

<210> 648
<211> 390
<212> DNA
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI069920

<400> 648

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tttttttttt ttttttttctt agaaaggaaa gcattttaatg ggcgctcgct tacagtttca 60
gagggtcagt ccattatcac agcagggagc actcgggcag gcaaactctg gggttgagct 120
ttacagtctg agcccaggca gcaggggcag actgggcctg gaatgggctt atagaacctc 180
aaagaccacc cacaggggtcg cacatcctcc cagaggccat gcctcccaat ccttctaata 240
ctatcaaacg gttccaatcc ctggtgacct aacctccaaa tatgagacca tgatcccata 300
ttcattcaaa ccaccacact ggtggaggca ggacacaatt ttaatgggct atagagtaca 360
gaggtgatgt tttttttctg tcaacttgcc 390
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<210> 649

<211> 504

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI070068

<220>

<221> misc_feature

<222> (1)..(504)

<223> n = a or c or g or t

<400> 649

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tttttttttt tttttttaag gcttaaccag tttattggaa tgtctctgta gtagaaattt 60
ttaaaaaata tgcaagcgat ctgtcttgct cagcacaata cttaaagtaga tgtgccttag 120
ctgcgaagtc ccgggctcga gtcccggctc ccgcgtcgag ggtcgccgcc ctccgctgag 180
ttacgcacag ttcactgtcc agcgggggtg gggacgcctc gccccacccc tgcggcggtg 240
tccagaccgt ctgctgctgc gtgcagaggc tggctgcatg attgccaggc cttggctcta 300
aagtctctgt ctctccagc ctgaggctcc ctcttctctg tcttggcgac cacctgtggt 360
gctggctcct ggctccatag cccaaggggc gggcgggcgc acactccctt ctctcgtct 420
cagtctcggt gactccgcc ctcccgaag gtatcacggg tagggtagct tttgagggat 480
tgttctgggg aatgangggg cgct 504
```

<210> 650

<211> 306

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI070152

<400> 650

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tttttttttt ttttttttagc tccagagggt tattagccac tcattaggga cctttaattg 60
ttttttcctc ctccagcact ctcaatgact gtcggttcaa tcagagagta cagttttttc 120
ttaacaagtc gaaatcccga gctgaggatc agagtctgcc taaggcccga cgagaagcga 180
cctccgctaa agaagaagtc cttgaggctg gtccaggagc agctctcctg cttgaacacc 240
agcgtgagct caaaggctcg caccacacta gcacacaca caatcctatc cagcttcttc 300
gtgccg 306
```

<210> 651

<211> 344

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI070233

<400> 651

```
tttttttttt tttttttgtt taaagcttat atctttttta ataaaaaata aattgtctgt 60
gacaagcagt tgtgaatccc aaaacaaagg gaggaggaag aggtcaaggg tcagccacac 120
tagacaagtg aacaacaagg ctacagattat gcccaccatt ctagccaggg cagagacaat 180
aacaatctgt ccaaactgaa gcaagaagga aggtgggttag acttcagaaa tgactttccc 240
aaacacatgg catgattggg aaggggaaaca caaggggcca actccataaa gaatcttgga 300
gaccctggga ggagggaggg ctggtgttca aagcagcagc tttc 344
```

<210> 652

<211> 408

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI070319

<400> 652

```
tttttttttt tttttttccc ccacacaggg ctgcttctcc cgtttattgt gccccttaga 60
ggacagatga cagtggctga tgaggtggat actcccagct caaagcttct gccctgcccc 120
acggccctcc ccatatgttg ctgaactgga gggctgggtt accatggcaa ctgtgagacc 180
tgaggagacag ctacagacag gcctagctgg ggcactgct gctcctgggt ttcggttggtg 240
gtagtggcgg tgggtgggtg taaggctcca tctggacctc catctccacc tcctccaatc 300
cactttcatt ggccttctag aactgagatg tacaccgctc ggctccaaaa agggctctctc 360
tctgcacaga ttaggcaagc aatctaccgc tgagctacaa cagccctc 408
```

<210> 653

<211> 471

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI070350

<220>

<221> misc_feature

<222> (1)..(471)

<223> n = a or c or g or t

<400> 653

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cggcctgtag cacgtccctg gttatcccag ctgctatgtc caatgctctt ccgcttagct 60
ggctcgcggc gctgtctaga gccacgtggg gcttttagaaa cagaggtctt atgacgcgat 120
gatacagtag caatgccccg ttccagggcc cgggtgtcat gcaaaataat aggaaggcgc 180
acttgcccgc gtagtagaaa gggaaccaga acaggagtag atcgctgaag aactcgacta 240
gaccgaacag ggcgtacacc acccagtagg ttagccacac agtgtcgtct tccttggttg 300
ggctctcgat agctttgact gaagcatatg cgggggtatac aaatccgatg acattgcaaa 360
gtagagacgc cccgtagccg aacagaagat acaggcctag aagggtgagg gctcncgcgg 420
cgagataccg cttctctaca ccggctctgg cttcgagcgc cccagcgcg t 471
```

<210> 654

<211> 332

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI070421


```

<400> 654
tttttttttt tttttttaac gtttcctaata gtctgctttc tttgcaactg tgagtggcga 60
tggtcgccag ctcagaccaa ggcgactgtg caaacctctg aacgagggtt tcctttctga 120
cagaagttag tctatcgagg ttctttctca acagacatga tttctagaaa cacagcagcc 180
atcttgtgac tacgaagcaa ggagcaatga gattactgag aggaggcccc gccctcactg 240
agcattgata cggcactccg ttagatataa tactgtgtta gtcacctgct ccaagggtca 300
ggctatgcgg ataacaagcc ctctgcccga at 332

```

<210> 655

<211> 554

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI070511

<220>

<221> misc_feature

<222> (1)..(554)

<223> n = a or c or g or t

```

<400> 655
tttttttttt tttttttgtt ggcaaaatat tttattgctg ccatccctgt ttggtggaac 60
actggggggt ggaactgggg gtgtcacagc atcttctgaa acagggcgat ggcctcatcc 120
accttctga gctccgctc tgtctgttgt aacttcactt cgtcggcctc ctggacctca 180
aggggcacct ttgctgagta gccagaggca gcacggcgct cctgcagccg ctgagcctgt 240
cgctgtgcct cactccgctt ggcctgcagc ttgccagct cccgggctgg gtccacgagc 300
ccctgcagct gcaggtggat ggagcagcgg tctgaggcca cagccacagc gcagccctgt 360
ggtgcaggag caccagggc caagacggcc accacaccg cactggccag agtctgcacg 420
taggccgaca ctgccaggc caaggcacc gtacgctcat cagctacttc caagaaacag 480
tcgggcctgg tccgggtcag gttgtantct gcacgcangg agcgcacagc tctagtgatg 540
ctcagcgcta gctc 554

```

<210> 656

<211> 286

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI070611

```

<400> 656
tttttttttt tttttttagt tttgaagatt aactttattt aggagtaaag cgctgatata 60
gagacagata atgtgtgggt ttttttttaa ccttttgttt ttaattttta aatcagtgtg 120
gacaatatca tgctgttcat tgatacaata cagccctgtc ctgggtatac aagtctgtga 180
catcattcac tacatgaatt tacttcatga gacggcatag cagaataaga ctaactaaag 240
atatatatcc ttagtaagaa aatgcctgaa ataaacaaag tcacaa 286

```

<210> 657

<211> 428

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI070879

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<400> 657
tttttttttt tttttctcag ttctgtcatt tattctgac tcttctagct taaagaaaac 60
aatctgaaag gccaggtgct gttatttgcc ccaagcatcg acaaacagag caacagcaaa 120
tatacaaaagt tcaaaaacta gtccacaggc actcgcccaa tctacagggt gccgttttaa 180
tctcaaggtc gaaaactgct tttcccaaca aacagcgttt tgccatggat atgtattagg 240
ggtagtcaga aagtttaaga atagaacttc agaaagaaac ctagaaagggt atcttcatga 300
gaggcaacag tacacttttc acaaggaact aaccttaaag gaaaatgtta ataagtggga 360
ctaccttaag aattaaggta aggacggttg tatgggagga gttagagggt ggaaagggag 420
aagggatg                                     428

```

```

<210> 658
<211> 381
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI070895

```

```

<400> 658
tttttttttt tttttttgct atgcgagcct ttattcccca taccctgcat gtgacacagg 60
aagtacacag actctttgta tccccaaagc ccctttccaa cagagcatct taatcctctg 120
aattcgtatt ccagatgtgg gcacagggtg gcttcatccc agtttccagc agtatctgct 180
gtggctatgc cctctgcttt ccagaagcc ccaggaagga gccttattgc ttctggagag 240
atcagagcac acggtgtcca gatccctaca gcctggagga aggggggtcac aggtcaattc 300
tgaagaaaag aacagctccc caggcctgca tccaaatctc cttcttctat gcctaaaaca 360
agctctaact cagtcgtccc t                                     381

```

```

<210> 659
<211> 384
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI070903

```

```

<400> 659
tttttttttt tttttctcaa gggcagaaaa acatcttcag tgccttttaa ttcttacaaa 60
gtagctggaa catcttggtt ctccaaggaa cactccagaa aggccacaaa tcaaactgaa 120
atcatatttg tgaagaggaa gaggagaaca ataccagggt aaagccaagg acatggtggg 180
atccccctcc aagagtagtc tccaaggaga agggagagaa acacagggat cagcaactgg 240
ttaagagggt gaagcgagtt ccactctaaa cacctctgga agagacactg cgagggtcag 300
gccatggcag acagaaggcc aggttgacc cgtttgaaat atggcttgcc caggaccagc 360
agacatctct gggcatccga agga                                     384

```

```

<210> 660
<211> 509
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI071162

```

```

<220>
<221> misc_feature
<222> (1)..(509)
<223> n = a or c or g or t

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<400> 660
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 ttttaaataag ttataacaag gtcacaaaag ggttgcaaaa tgtctgcaat gtaaggatta 120
 cacgtccata tagctaagtc actcaaggct cacactaata caggagatga tccaagtcaa 180
 gctgcattag tgggtctttc ctgttataga ccttactatg atttctgata gcagctcctt 240
 atcaaataag agctacaaac tcaattttta aacttttgta aaagaatgac taaaattctg 300
 caaactaagt agttgagttt acagaaattc tgagaaaaca actgagataa aataactaagg 360
 ttaataatta tcacatatac aaaactctct tatattcatg attctttatac taatatactc 420
 tcaattaatt ttgcaaaaag tcatctcctg ngtacaaaaca aaccttgaga ccaaactctt 480
 aactggtctc tcttaatcca cttaacatta 509

<210> 661
 <211> 504
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI071166

<400> 661
 tttttttttt tttttttctt tgggttcact ttggcttact gatgagcaca gagtgaagaa 60
 ctctgtacca cttaggtttt tttttggtac acacactgaa aagatacata ctgaagcccc 120
 aatgcataat aaagactgtg cttctaagcc tttccagtct gggtaagggtg aggggacgcg 180
 ctgtgtgttt gtggtgacta gtcagccctg tttaccttcc aggatttggc acatttttctg 240
 tctgcatccc tgagtcacaa gaatggtgta acagctgatt cctgtttgct gtcagggtcca 300
 gggaccatt cagggggggc ctgaaaagcc agcgaggctt cgctcagtgc tgacaggact 360
 tgctgttgaa acagtttttt tttttttctt aaccgtccca tttgttgcca taaccaccac 420
 agagttatag tttgacactt tgccaagaca gcttggaat ttggcttctg acagactccc 480
 atgtgcccg ggctattgag gatt 504

<210> 662
 <211> 472
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI071177

<400> 662
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 aggaactgaa agtaccagc acaacaatct tatgcacttt gaagcatgtt agagaggacg 180
 atggcaccat tggataatga actactgagg aaaggagagc cctggccaag ttacctttgg 240
 tctcttaaag gctcctgagc actactgaga catgggaact ctccattact gatttggtgc 300
 agtgtccttc tctctagctt cctgatgaga tggcatctaa agggctctaa ggttcaactcg 360
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 gcacttcact gcccgctgaa ctactagcat tagaagtact cctcgtgccg aa 472

<210> 663
 <211> 519
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI071181

<400> 663

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tatagagtct gtgggtcatcc tggtaggcaa cagggtattcc ttttgttgga ccaattgcat 180
ttcccatctc tctgtgggtgt gatggagggt tgagtcctgg atgtaagtgc gaagagtcca 240
ctgtggaatg gtggctaaca tccactttag ctaaaatctc ataatacagc aaataaaaca 300
ctgggggttat tatgcccact atcaacatta tcacgacagc tgccaccaaa cccatcccc 360
agtctgcgcc gtaatatgga tcctttcggg gaacgccttt gttatcaggc tcaaategga 420
cctgttgtgc tgtaaggcg gacactactt cattcagggt ctccttcttg gtgtctgtac 480
acttgactat ttgctctatg tcgcgcctcg tgccgaatt 519

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<210> 664

<211> 555

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071185

<220>

<221> misc_feature

<222> (1)..(555)

<223> n = a or c or g or t

<400> 664

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aacatttctg gtgagaaatc cagtgcaggg aaaacataaa caatactgag caaagtcttc 180
tcccacctag actattcaag atactgcctg gtcctggggt gggtttagcc atgttttcta 240
acaaaggctt ctattctgta aagagaagat tggacagctt gtgtagaaca ttcattggta 300
ctattactat atgttctgtg gccacatgca cttaacagcc acacatgtgc acaaagtcatt 360
cattcctatt aggcttagct aacaacaaga aaaaagaata cctttccacc ttgttctgca 420
atgtgacaag cgttaagaag agggaaacaa tgtatgtgtt cagccattcc atatatgcat 480
tcctttatgg cactttccag gagttaatta aaggagcgcc aagatctgca ngaattcaag 540
ccttacctaa aaata 555

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<210> 665

<211> 519

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071194

<220>

<221> misc_feature

<222> (1)..(519)

<223> n = a or c or g or t

<400> 665

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cggccgcttg gtggccctct cgtccctagt gctggctctg ccaagggtgcc gggctgaata 60
gttgacaggt ggggtcactt ctagatctgt tgatggcttt gagctatcca ccacgtattt 120
gccaccgcga cgaggctggc ccacagcctt ggggacatac tccagggcac cagcgcctcc 180
tgcagctctg ctctgacccc tgtctgaagg ggcaagttag tacttggtgc ctggctcggc 240
agggacagcc aatgggggtg gctggtaggc agcgtccggg ctgagcaggc cgcctggcgt 300
ataagtgcagg gccaaggaga aggtgtcatc atcatccatg cttgtggcan ggctgcaagg 360
ggccagtgtc gaagccccag caccgtggcc cagtgcagtc tccaggagct cctggtagcg 420
cctctgtctc agtccacct cgccacgcac agcctcgatg gcctgggtga ccagctccaa 480

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ctccagcatg ccacgcccct gacccagagc accattctc

519

<210> 666

<211> 496

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071227

<220>

<221> misc_feature

<222> (1)..(496)

<223> n = a or c or g or t

<400> 666

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tcaaaaggag accacagttt ttggaaatac tcccaaagtg agttgttttg ataatgtcag 120
acctctgcaa cacaaaactt atacaataag aacaaagagc acaggaacga tatggtaaata 180
cagcctggaa ttcttattct taggttaaag gatacaatgc agtaacctga gtgtagagct 240
ttcttttagg ttcacagctt acgactatag cagctgacca tagctgcaca gtagggagag 300
ctgttctgga agcgtctgct tgcagtactc agtttgcact agaatatctc cagcaaacia 360
cacatccact gcacacaact acttagcagc agcagaataa actcgcttaa gtgaagtctc 420
agtaattaan agaacaagca tgcaactgga gggctgttag cctaacatgc cacatgtcaa 480
gaccctcgtg ccgaat 496
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<210> 667

<211> 547

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071251

<220>

<221> misc_feature

<222> (1)..(547)

<223> n = a or c or g or t

<400> 667

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atgataaata aacctgcttc tgtacagcta tttaatattt cagaaatacg tacatgttac 120
atgccaagaa acgaccctgg ttttcttggt agaaacaagg tgagaccata attggaaaag 180
gaaaacccca caaatgagaa aaaccaacaa agaaaacaag atcaccaata cacaactaac 240
tacagttctg taactacacc gctagccgcy cataacacga gtctcaaagg aggggagtg 300
ggaggggacac acttgaaggc aggaggcccc tgtccctca aactgaatga gaaaacaaa 360
gtcaacaaca agtcaacatt gcttaaacca gtggccacac agtaaaaact gtacattggt 420
gtccattcat ttaaaagcaa agtcactagg atgattaana aaaaaaaagt gagaactgg 480
gcctttgaac tttctgatga tgaacacttt tactcagagt ttgacaatta tctccactct 540
ccctgca 547
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<210> 668

<211> 501

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071456

<400> 668

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ccctccccag ctccctctcc atagccatgc ccaaagggcc cttggagggt tccctcaa 180
gctccgccct tcaccatctg aacaggccgc tgggtctctt cctggcgtag cagcaccatg 240
agctgggcaa tgtcatgggc cagcatgtca tcaaccactt ctagcagctt gctcttcagt 300
ggttggaatt tgctgaagtc ctgggcctgc agctgacccg gcacccctcg ggttcttgag 360
ggccttgatg acttctgaga actcatcaga gatgtcaagc ttgtgggcgt caaagagcag 420
gatgattcgg tccaccgcgt cagcaaacca ttcgaggaca gcagcaaat cataccctcg 480
gctgatctc tgttctcac c 501
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<210> 669

<211> 510

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071538

<220>

<221> misc_feature

<222> (1)..(510)

<223> n = a or c or g or t

<400> 669

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tttgaaaaaa ataaaaggat gattcagtta tgtactaata tgggtcaatct gcttgtgaga 180
aagattctct cgaggagaaca cagtgtgtgc tgcccttcaa gtgtggcact ggtacaagtg 240
gcgacagcac gctgggactt ctctgacgtt gctacgcatt ctctctgtcc cagttgtcct 300
ggctgtttcc tgagctgggg caggagcatt ctgcaagaca gccccagaa gggaggagta 360
ccttcgatgt tggggctttt ttacttttaa cgggacacag aatggtttgt ggggcangga 420
atcaaatagg aaactgtttt cttggcaaac atagtccatt aacacattta acattaaaac 480
tgcaccaagc gctggggacg tagctccaca 510
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<210> 670

<211> 498

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071578

<400> 670

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agcgtacaac tgcaactcta cgtaaatgcc acaaatgcac aataccgttt ccttgctcta 180
tttacatagc tgatatactt accctaacag aggtgggggt agggaggatg cacaagaaac 240
tcaggccaga ggggaagcaa gagagaatga gagggacagt gcatgcgtca ttggtgtcta 300
acagtcagaa gcgcaaacag ttcagaacaa ggccctgccct gtcaaaggaa gagctaaaga 360
cgttatataa aaattaaggt gggctttcag tccggctaac acaacaacat tccgtgaaga 420
gacggcattg tcagatttta tttttgttta tccatttcat tgggagcaag gacaaaaatg 480
taaaatctat accttgct 498
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<210> 671

<211> 330
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI071642

<400> 671
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gtgccaggat tgaagggtcta tgccaccctc aatcaatccg caccgtttta taactggagg 180
ttccctacaa tcaatcctca gtctttaacc tcaaccctgt aacgttcaat cataatcccc 240
aaggatcctc gggccacact gtctagaatc tgttagatgc cctttggtcc tttacaagc 300
cgggtccagg gttctactcg aggctgtgca 330

<210> 672
<211> 336
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI071858

<400> 672
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caactgaaca gagacgtca ctagtttctg gaggaaatta ccggtatata aaccacaatt 120
atttttcatt attgaaaata aacagctttt ctactggcat ttgcttagcc acaacagtcc 180
tggtaaagaa aacagagtgc cctcctcaag caataaaaac attacataag caaatcact 240
tttcagctgg attatttctg ggtaaagaaa gccacaaaga gcaaatttat ggggtgattt 300
aggtgaaaat ttttcaaag gttccacatt aactta 336

<210> 673
<211> 334
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI071867

<400> 673
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cctcccaagt accaaggcct tgcccttagg ggcccaatgc tctgtggttc ctttctataa 120
ctcccaagat gtactttagt gttggaatgt tccagaggcc ctgccactta tatgtcttca 180
aggacagcca ctgagggtc ttcatgccac agtagatgcc cagcccgttg cagaggagta 240
cgtccatgat ccaatgggtc caccagcact cgctgaagtt gggtagctgg tgctccagge 300
tgtactccag gaactcgaac atcacactga tgat 334

<210> 674
<211> 271
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI071868

<400> 674
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atagatgggt atctggctag aggtacaac caaggaaaga gaaaacaaag aaagtcatac 180
aaaggaggca gagatgggat tttgtctgag ctagatgagt ttgggtgcaa tgtgaggagt 240
ctgtttcatt gaggaatcac tgaggaatct a 271

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<210> 675
 <211> 450
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI071965

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<400> 675
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aactcatctc cgagttcaca cactggggac caagtgcac ggccaggcaa gattatacag 180
ggaaggagaa caagagtctc agccttcggt gagccaccat gcaaggaaaag caacagagtg 240
tcaaacggga gaagcaacag agtctcagct ttcagtgatc caccggtggc ccctgagctc 300
ctgacttaac agtgcctcaa cactgtcgcc caggggagag tccaaacaca aaggaactca 360
acagtgtcct ggtgtttttg taacacacct cttgctatat caatatagct ctgactgtcc 420
tgcaaaagaa ataacttcag aggggggggca 450

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<210> 676
 <211> 384
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI071967

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<400> 676
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agtcaaggct cagtcagtct gtagtcatac cagaagttaa agttggtagg aggtgggggt 180
actgggggag gatgctcagg aatgggcaca ttctccagtt ccaacaaccg caacttggtc 240
tccatagtga gcagctgctc caggtctagc cgagtctgtt cactcccat agtactgcc 300
agcagggcac tcagtccatc tgtccacagg tagaaatccc gtttggaggg ggcaatgaag 360
ttgaggtatg cttccctcgt gccg 384

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<210> 677
 <211> 335
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI071990

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<400> 677
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aagtccactg tgctgttata agcctggaaa agagttatca cagataacag taagattatc 180
cctgtcctcg gtgaagtaac ttagaaaccg tcaactcaga caaggcttct gaatcaacga 240
tgatgaagac ataaaataga aacactcaat ttgtcacac aaatgtcac aggttctgat 300
ttgtctgttt tagatttctg agacaagcct cacta 335

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<210> 678

<211> 362
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI072014

<220>
<221> misc_feature
<222> (1)..(362)
<223> n = a or c or g or t

<400> 678
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ataaaaaagg gatccatcaa catatatctt agaagtccat ccaagagttt cagtgtccag 120
cagccatgga ggctgacgcc tgtgccattg ctcagtctgc agctcgtgta aggatcaagg 180
aggtgacttt aagttacaat cacacttgct ctgctagatc caagaccctg aatttatcca 240
aattgtagaa acaggcttta accaccgctc caccaaaata cctcccatc agatcgacaa 300
cagctttaat tgccgattcg actctctcan attctagaaa tatccgtact gcttcatcat 360
ca 362

<210> 679
<211> 367
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI072054

<400> 679
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tatcagtgac aactcccaag tgtccacctg gaatagtgcc tccttgctga gtgggtggat 180
ccctccatgt ttccaagtgc cagagccctg tctagcacct gtctgctggg acattcggtg 240
gtagcgtcac tcgtcagtg ctcagtgcct gcagcattgg cagagtgaac cccctgggc 300
caacctatat gaagacctgt tgtagcaggc tgatacctgt tcaacttagt ctggtgcaag 360
agtttga 367

<210> 680
<211> 512
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI072092

<400> 680
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tcagatccca tgggactgga gttacagatg ctgggaatag aacttggtat ttccagagga 180
gcaaccagtg ctcttaatct tcccagctac cactgccaca gccccggat agattttaga 240
acagcactga gtttagcagc attaaatata gatttgtact ccccagctct ggaaatctca 300
tagccctgca ctcagaagcc agtatatgga tgggtgacct gatcttctcc acctccgttg 360
tcagctcctg gacttcagtc agtagtcgtt ggtacttctg ctgtggtgtc tcctttactc 420
ccagaacctc tccaagcatt tcatagtctc cagactcata tcctgtcctc ttggtctttc 480
caatgcgac tgagaaatca agcccctttg tc 512

<210> 681
 <211> 419
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI072107

<400> 681
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 tagagtgata tataatcatc cttttttgag aggacccatc ctctatactc ttttcatgca 180
 gtgacttctg gcataaagca caacacagac ctccatgtta atattcatcc aaaaatggaa 240
 aatcagggtg gccctggaat ctagaaccac tcatgtaacg gatattttta tttaggccat 300
 caaggacttt catgtcttct gaagtcaact gaaattcaaa aacctgcata ttctctttta 360
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<210> 682
 <211> 380
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI072137

<400> 682
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 ttgaaagggtg tagagcagac tctgagacag aacacttgga gtctctgtca gagaagaggc 180
 atgaattact gaaagcagct tcaactgcagg aactgtatca tctgctgtgc ttgaatatgg 240
 tgccatgtgg aacaaacgcc gtgttgatca gatgggctgc agcgattcac tcttgagcat 300
 gacagacttg gaggaacgag cagtgcacac ggtggttctc ttaaagggtg acgtgacact 360
 gcctagttgc actccctcca 380

<210> 683
 <211> 497
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI072246

<400> 683
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 gaggtggaca gggcgcccag gcctgcctgc gccattccac acctccactt ctgtggtgca 180
 actgtcctga gcatgagaag ggcctgggaa ggcatctaatt gtatcaagct caaccgttcc 240
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 gcaaggggtg ctgacaggta gataagtaaa gcagcagcag tctggaaaca gacaccgagt 360
 atctttttcc tgaccaggac gaaagtcagt aagagacaaa aggacttcag tgccccatga 420
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 cacctcataa cctctcgt 497

<210> 684
 <211> 346
 <212> DNA
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072278

<400> 684

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aatcattttc acagatgcca gttgtcacac accagcttca ggctcaccac atacctggga 180
agcctttgct tttattctcc ttgccataga gatttgacat gacagtgggc agaaagctgc 240
agcttacagc ccgagggata atcttcattc cactatcagc acagtgagcc aggcagcttg 300
gtgatcccaa aacttattta tacgcagaac acggacattt tgcgta 346
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<210> 685

<211> 431

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072384

<220>

<221> misc_feature

<222> (1)..(431)

<223> n = a or c or g or t

<400> 685

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tctccccaag caagataggt aaggaattct ggaagttgga ccattcactg aggagcgatc 240
tcttcactcc ttccgagctt ctaggctacc cagcaccagt gcagcctggg tcttggtctt 300
ctgcagaagg ctggagattc gatggcgtgt cttctcttta aatacatcat ccgtcatgtc 360
cttcagggtg atgagcacat tgaagtacgc accanacaca cctgtctcca aagctttggc 420
tgccacctgc a 431
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<210> 686

<211> 432

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072393

<400> 686

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atactatgat aaaattgtta aatacatgca tgttttaaaa acagacatag gtaacatctt 120
tatataatta acagccaagc gatactaatt ttatatgtgc agtgtcttag ttatagggtta 180
tttacataat ctatgtttct gtgataatca tgttttccaa aaggatagggt agctaaattc 240
tgaaattatg atataaaaag ttcaaatttc caattttaac agcgacgtaa catttcccaa 300
ggccggaagt gccctgtctg tcagtctctg tgagtgtctg tttattccac gctcaacca 360
gagtcgtttg agttggggtg aatcacagag acacacacat caatctcatt tacttctgt 420
gtgtgcgctt tg 432
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<210> 687

<211> 274

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072476

<400> 687

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tttttttttt tttttgtccc aggaacatga agctagcctt tactaatcac aaacattcca 60
gaatctgtca gacgcttcac gtacagtatt tcacttaaca taacaatcct gtaacattga 120
tagtaacctt attttgtaa tagggaatcc aaggtttgac aaggtttaatt cgctgaccaa 180
aagccatagt caggtggctc aaggactcca gatcccaagc tcagtttact ggccatgaca 240
ttttcttgca ctttatgtgt gaggtataca accc 274
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<210> 688

<211> 283

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072578

<400> 688

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gctggccaac aggcgcgggg cggaggcggg aaccgggctc ggaccggcg cgcaaggcgg 120
cggcggcggc ggcggcgacg accgcggagc agcagtctcg gcgcgacgtg gaaggatgga 180
ggcggcgggtg cactaggcct cgtctggggc tgcagcccg actcaaattg gttccagaaa 240
ccccgtgtgc aggatcagat ttgcaagtat gtcctctgtg ccg 283
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<210> 689

<211> 352

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072633

<400> 689

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ttcacagcat cacaaaatga tggcaatgcc tacctcctgg ctctgagtt gtcaccttgg 120
ccagcctcct agcagcagtc cagtagagca ggggttgagg gcacccttgc cctcccactg 180
agaattcctg cagcaatcct tcaatggcaa caactgtccc tgctcaagtc tcccatcttt 240
atcctcagct gccttttccc ttcaaagagc aggatgctcg cagccatggc tgaattcaga 300
ctgtccacac caggtacaac agggatcagc agtctcttgc caccagtact ct 352
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<210> 690

<211> 333

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072634

<400> 690

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cttcttctga gccttagtgc ctcaagaactc tggatcatt ggtctcggac accactttgc 120
catccacgac cttacgggta gttgtcctct ggacagtttg catggagttg ctggagtcca 180
ggcgctcggt gagactgaaa tcgtcccat cctccaacaa gcggcggtag gtggcaatct 240
ccgcctcaag cttgaccttg atgttcaaca gggcttcgta ttctgggtc tggcgctgtc 300
cttctgcccc agtttgtgcc agctctgatt cca 333
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<210> 691
 <211> 359
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI072643

<400> 691
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 aaaatgggtc aaggagggag agagggatat cttttcctcc aaatcggctg gtatgtagtc 120
 tcagtgcgtc agaaaaaaga ctgcttctgg cctcctttct gattacccca aggcagtctg 180
 gtcaccgtgg aggcttattt aaaactggaa aaagaggtcc tttgtgacat cctgctgcca 240
 ttcaagatgt cttcttgaat aagccctaaa gtcactcact ttctctgtgt gttccctgtt 300
 ccactctcac tcactacagt ctagtcttta catggcaggt agcaagaata accttaaat 359

<210> 692
 <211> 434
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI072712

<400> 692
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 ggtgtcagaa gagatgggga gcattttctg tcctacgact aaatgacatg aatttactgt 120
 acaatgacag tgtacatggc tagggtaagt agcgtcacca aagattagtt ctctcgctta 180
 cactaagtag gcacgcacat cccacccag caccgacttc acagtcagct gtaaagagtg 240
 gcatttctact ggatgcctcg agagacagtt ctggtggagt atttgagttt aaagactttg 300
 aaaggaaaga gaatttggct gaaaagtatc cttttcttta gttaaatacg aacaagtctc 360
 cagtcagcac ccagtcaaac acagtgcctt gaactttggg taatttgctg gacagtatac 420
 tccacgccac tgtg 434

<210> 693
 <211> 499
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI072812

<400> 693
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 taattctata gtagagaagt acaaagtctg cacaagtaag actttataac agaattttca 180
 atcctgcccc aaggaaaata aactatacat atagttcaat ttaaaaaaca aaaacaaaac 240
 tttaaaagtt gtgcttaaca tagtgactg ctacacagca tcaagtctta gagcactgat 300
 gtgctccagg gacgacggcc tgacagagtg aggacctgga gtgctctctg agagctcctc 360
 ccagaaacgc cccagcatct gcagcttgcc ctctgtggc gccactgct ctgcagttga 420
 ctcatatgtc ttttgtctga tcgtcttctt caagctttct gatttcattt ttttaacaat 480
 ttatagtttc cctcgtgcc 499

<210> 694
 <211> 251
 <212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072866

<400> 694

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tttttttttt tttttttgcg ttcaagaaag ctttatttac cacatacatt ttaagaatgc 60
actgtatgta aatgaagcga gatctaaaaa gcttttcaaa tatgaagcta aaaactaaac 120
tagtagcatg tctaaaaccc aaactctaaa acgtttaaaa acatttatat tagtttggtc 180
ttattcctaa aaaaaaaaaa agttcacatt tcaagttata aacttacctc agtagtgtac 240
gtgtgaaatg g 251
```

<210> 695

<211> 388

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072914

<220>

<221> misc_feature

<222> (1)..(388)

<223> n = a or c or g or t

<400> 695

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ccacacagaa ttatcagaga tgactatcgg ctcttaactg tgtctgctgt tggagctttc 120
tacctttgtg tctggctgtt ctgctgcata aactcttcaa caactatgtc ctccgatctt 180
gcaggaccag caaaggggaa aggagagtta tcaaaccctt ctctgggctt cctccacatt 240
cttgattcta tagaggtaat cacttccttg cttctcagcc tccccctcct tgccccatgg 300
ggagggcttg tttcccttct gaatctgtct atacaatggg gtcaaggtgc attanaaggg 360
aaacagtgtg gcatggggta cagggaaa 388
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<210> 696

<211> 506

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072959

<400> 696

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tttttttttt tttttttaaa ttcaagagat atttccccac agtctttgtg tggaaaatat 60
actccctctt tcataaagtg cctaccaatt aaggatgatca gtggccagta gccatctata 120
caacaaatta tcctttttcc cccaaagtaa attgcactag ggtactaggg tttcttccaa 180
tttgtgattt tttttttttt tgagccagtc agcactgccc ttcctcttcc tgactcccct 240
agaccacgag ctggttcctt agacagcaca ttcagggtag acacctagct cctgccactg 300
ctatcctgtg agacaccac gtatttatatt catggaggac agagttggtc acttccggaa 360
gctccttggtg gagaacatgg taggcacctt catacatctt gagtgttttg tcctgactcg 420
gggatgattc catgagcagg tatgcacctt tgctgtcgca tagccggtca gcagaaccct 480
gcagcagcag gaacggcagt gtcagc 506
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<210> 697

<211> 242

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI073047

<400> 697

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catcatatac acatggtaca ggagcagcta gagagctgct tttacacaca gcttggttga 120
cagctagcac tgaatcgag ggctgcgaca caatgctata ctggtgtggt gtcagtagca 180
agtaattact acaaagagaa tttcttggca ctgatggttt aatggagctt aagtcagacc 240
ta 242
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<210> 698

<211> 343

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI073059

<400> 698

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tcagagcctc ccagcagggc tatgaccagg acccagcca aggaggctgg aagaactgat 120
aatgatgagt agcaaagggc aggcaggcct gtgacctgctc acatccaagt ggaaacaatg 180
tctctgaggt ggggctgtcc aggtccagcc tgttcaggct tcacagccac acccacatga 240
gggctcttga gtgaggccgg cgtagaaaag gcatgggaac agaacctgta gaaaatccca 300
actaccataa ccagcattca ttctacttg aagttaatct ctt 343
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<210> 699

<211> 595

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI073092

<400> 699

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agaaaaataa gctttaatct ataacaaatg acagattata gagcagaaag caattctctc 120
tataattttc ataatgaaag ttttcaggat gaaaagtttt cataatgaaa gaaaaggat 180
ccattaaaag aaaaaaaagg agtcataaaa ttatattcac aaatatagta caatatgaca 240
aagcaattgg tcagtctttt gggtaaagga taacaaaaat gcaaaaacag aaattacatt 300
atgccgttat tacatcaaat taaaaatgca ggtttgttgg taagtataga cagtgaccaa 360
acagtaatct taaatgtcca ttaataatac ataagcacat agtaaagcc aaacatctgc 420
actcacatct gcaaacttca gtctccaaaa gagaacttta aactcaagc attattgtca 480
tactgtttaa tttgaaagta tgaacaatgg tcctactaca gaaattataa agcaccatt 540
aatgtgcagt gaaaatagag tgtaatagaa tgaacagttg aaaaacacct gagac 595
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<210> 700

<211> 437

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI073257

<400> 700

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acccttacat ctttgcacaa tactttatatt tttgcaagtt ttagtaaaaa tttccaaagt 120
gaacaacaac tacagaaaag atactgtata gaacacagtg gacattaaac tgacagtagt 180
attagatcctt actggctcctg gttcattcaa tttttaccac atcttgattt gtactggaaa 240
cagttcagtg catgtatctc ctcagaaaac atttaactta gactcaaaat acaatagggc 300
agtgcataac tgcgaaaacc ctaccacagg ataacattac aagcaaaaaa tgtacatgtt 360
ccaaagtcta gcaaactcaa gaagttacta agaactcttg cacaataaaa gtcaccattt 420
tagaaatgca aaccacac                                     437

```

<210> 701

<211> 477

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI100769

<400> 701

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taattcttta aattccacgg gcatagtctg tgcttttcat catcctgaaa attataccca 180
cgactgtgaa agccacatta atgtttgttc agttctgtct gtataagtaa cataaaaatg 240
tcaagtgtgt tgacccttca aaaagttaca ttttgcttac tgtagagaaa tgtcctatatt 300
ctccctagaa aaaggataat attttctgat tgcgcaagca gtttatgagt gtgctatattg 360
agtctatattt gacagctgcc tttcatttgt tattggagag cctcttcag caggttcctt 420
ctccccctat tctagccaag gtgggggggtg tcaatgtttt ccataattat tcaaatt 477

```

<210> 702

<211> 476

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI100835

<400> 702

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acctttatatt ggactggaca cacaagtcag acagtaataa ccacagcaat atggcttgtg 60
agcaaaacca gcactgcctc gcacccgctg ctctttgttt ctgtaaggag agccagtgga 120
acaaacagcg acactcactg gacagtcagt taccctcaca catgggaagg acaaattgat 180
gtactgtgga gccagtggt gcaagatgcc agagtaggga cagacgtgtg gaagagcggg 240
tcatggagtt agcgccagaa taactcagag accaggtgat ctgttcaaga tagaaatgga 300
ggtgccttcc ttccactgtg acccatttct ggcttgact catgtgggac ggagaccatg 360
ttaaaggtgc taaagagaca agacactgct cccatttgtt ggctatcaag gtccagttga 420
ggacttaggt gcgtgcactc taagtcagaa gctatccggc ttctcagctg tcggtt 476

```

<210> 703

<211> 362

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI100871

<400> 703

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aaccctaaag gaattaaaca atttacttta aatcaaagtt caggacaaca aaaggggcat 60
gctgggtccc atgcctgcca agtgaactca acaaggggta atcgattca cagctcacag 120
ttcacaaaag ggaaagagg gtggagggtg gggcagggac taggaggggt gctttttgag 180
ctgagtctaa aaaaaaaccc agtcaggatt aggggaaaaa aggagggagt ggcttccaaa 240

```


aggggacttg gaccaagctg agaggtacca tcttgcttcc ctaaaagctt ggcacagtaa 300
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 cc 362

<210> 704
 <211> 451
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI100878

<400> 704
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 ggaaggcaga caagtgggtg aactgtagga ctgcacctga ctccaggaag agtgatgggc 120
 agtgagtggg gactggtcca ggctggtaga cccaccaggg gatctggagg ccagtacctg 180
 agatggtgtc taagccaagt agtatctagc caggccagaa catggcctag agaggtaagg 240
 gtggggcctg gttgggggct cccggcacct aggggctggc atcaccaggg gcctcccaa 300
 gctgttgctg gaattccagg cgtgtctgcc gattggactc cagcagctcc tggaggcggg 360
 catggagggtg gtcgttcttc tcctccagggt ggtccagaca agagttgatc tgatccaaca 420
 tggagttgat ggcagcatac tttgcttccc c 451

<210> 705
 <211> 498
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI101006

<400> 705
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 ccctgtgagg tagggttctt cttgtacagt ccaacctcag acccctgaga cctgccctta 120
 gctctcgcag ttagtataag cagaacaagg gactccaact cttgctttca ttgttctaga 180
 aaatacaaaa gctttggtcc caatttacac taatcttaaa ttttgggggg ttttcaaacy 240
 cccattcccc attgtctttt tttttttttt aagtcacatc cctttgggtt tttgagacag 300
 ggtctcactc tgtaggccag gtttgcccag gactatacac tctaggctgg cctcaaactt 360
 acagcaatcc tcctgcctaa ctgtcctgac tgctgggatt acagggtgat gccacaccg 420
 attccacaat tttctcttaa atttgggact gaccactgct gcaaggcctg gggtcagccc 480
 ttactcgagt gtgcatcc 498

<210> 706
 <211> 537
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI101130

<400> 706
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 ttgttgtcca aataaaagca atgaatagt atatatattaa tgccaattat tacaaaactt 180
 ttagagaaaa ctcatgtatc tctaacatgt tctgctaaga gagagaaaaa aaaacgtatc 240
 ttttaagatc catatgatc tgggctaaat tatcagtgtc tttctagtaa tctagaaatt 300
 tcttcaaaca gcatttcttc tggttggttaa ctgttcttac tgattggctc tcgcagtagg 360
 gaatgaggac atacagcact tttcacactg ttcagtaaaa ccatataaat taaagatggg 420

tgctaagctt aatattttat acagaaatgt gtaatatattc atttaattgg actgaatata 480
 ttttatgagt acttgggtac agtggttaagt cccccaatc tgtgatgttt tgtgaga 537

<210> 707
 <211> 565
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI101159

<400> 707
 acagcatcca gaatactttt attgccaaaa tcgaggtaca gcttgctcag gacccatagt 60
 gggggtccca ccactcaggt gagggacaga tgataggaat gtgcttaaca aggtaagtcc 120
 agcgccagaa acggtatggg aaggcagtggt ggtccatcct ccaagtgggt ttgagaccct 180
 gacctaaaag ctgatccaag cttatagtca ggtccactgt ccctaaggca ggccgagatt 240
 ccccatccct gctgtcacag agactatgtg gcatccctgg gacaaacaaa caaaagcccc 300
 tagctgggac tctaagttcc tagctctctt gggggccctt tcaaattctt ggactgtttc 360
 cccgcaaacc aaaaccatt cagctggtag caagtgttgg gcagggactc taccacctct 420
 caaccctgtg acagcccaag tagatggtag aaaggcccca gagcagggcg caccatggtg 480
 gtggaattct caagaaggtg gtcctagggg agctctaagc aagcatgggt attcccttga 540
 gctcgttttc ttcctaggac cttaa 565

<210> 708
 <211> 560
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI101167

<400> 708
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 atcccttata aatctttaag gctgtttccc taacacaatt tgcacttcaa agtaatacaa 120
 tgaactaaac ttttagaaga caattaaaaa taaaaatata ttaaagatat aagtcattgac 180
 aggatatcga gatggcttac aagtgggtatt tatacatattg attataacaa tgtatagatt 240
 tttacaagaa gctgggacta gggagttcct aagaaatctt agatttttga cagttaattgg 300
 ccagattaat aatgtctcaa gtcctaaagt ccttaaaatg ttcttccaga gtccacaaaa 360
 gcaagcagaa tgttgtaaaa atattcttag ttgcatatat cttttaaaat aaatttgaga 420
 ttattcagta tgccttacat agataccatt aattgagaat cgctgaggtc tccagtgact 480
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<210> 709
 <211> 579
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI101205

<220>
 <221> misc_feature
 <222> (1)..(579)
 <223> n = a or c or g or t

<400> 709

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aaggccaaat gtttataatt gaacaaaact gtgtaaacia acaataatgt aagcagataa 180
tttaataactt tcttagactc ctcatcttgt actctgatgt ggacagactc agtaccaaac 240
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tgtttcaatg ttttatttgt tccttcaaag catctcactt ttctttttac atctgttgaa 360
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cttttctttt tttttaattt aaagaaaaat atgagatcca ttacacagca gacttatgtt 480
ttacatctta caaaagggtt tgcattttta ttaactgata cagcgtcaca ggatttctta 540
gatcctaaag tcttgaagta cagctgactt tnccttaaa 579

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<210> 710

<211> 349

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI101226

<400> 710

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ttaatatatt tatttgaaca cacataaaac atattcaatc tgggttgcag caaattacaa 60
agaatttaag agtctggtaa tggttatatgc tactccattt accactatgg gatgtctcct 120
gagcttttga tcaaaatttt attggaaatc attgaaaatt cacctgttgc tcaatgaatt 180
gctcaaataa tgcattgact gacaatgtaa ctgatctcaa caccacaggg agaccctgat 240
gtgtaagtag agccctctga gagacttagg taggtcaaatt agggaagctg ttaacaatat 300
ggcttgccctg tcccaaattg gagcactgaa gctagctact gacagaagc 349

```

<210> 711

<211> 473

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI101229

<400> 711

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aactctgttg atcacacaat gtcaaact agaaaaacga agccatacat gttgatagag 60
caaaatatat ttctcaacaa ctcatgaaat ttgtctcaca aagtatggca tagaacagtc 120
acagtattaa gtattcaagt aaagtttgtt gttaaaatag gtgcacaggg gtaataaaca 180
ctgggatctg gccttcagag aggacaaccc atgggacccc atttgaagggt tgttacatca 240
cagaataggc ttgcttacat tgtgcgtctg atctttattc tctacaccc cccccccca 300
gtcctgaaga acaaagatag agaaagaaga atcacttgct acgaggccct gcttcaagggt 360
ccctcagatg gaaaaacaga cgaactctgg tacttttagtg agccccacta cctgggagac 420
atgactatca ggcttatgtc atttgagttg ataattactg ccaagaagtc ctg 473

```

<210> 712

<211> 374

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI101256

<400> 712

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aacaatcaca taaggaagca tttatttgag gttgaacatg aagtcacaca aataaaaaatt 60
tgtataaaca caaatccaca ttgagtcata acacagggaa ggaacaaagg acagattaac 120
aaaggaacta attggcagct atgtacagtg ggacacaatt gtgtcatgta cactacaaag 180

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tctttacaaa ataatcatct taggtcaaca gaagatcaag caaccttcaa tgtcgtcctg 240
 taagatgggt tctttacacc tcctgctctc ccagcgtcct cctttagtag ggctggtaat 300
 tgttctgggtg attgccaccc cctcgggatg ccttgccata agtgctctgc tgaccgctgt 360
 agtctcctcg tgcc 374

<210> 713
 <211> 464
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI101262

<400> 713
 aagggatgtg cctttaat ttttttatt taactttaat tttttttgt tttatgtgta 60
 tgggtgtttt gcctctgtgt atgtccgtat agcataagca ttcagtgtcc acggaggctg 120
 gaagaaagca tctgatccac tgggacgagc tataggtggc aaaggaggc actatgtggg 180
 cgctgaggaa gcagatattg aatgagtgtt atgggctggg gagatggctc agtgggttaa 240
 ggtgcttgca gccaaagggg ccctggaggt aaaagaatag aaccaattcc tgtaagggtg 300
 cctctgacct tcacacacat gctgtgacat gttgacacac aatacccata agcataaaag 360
 aagagctgtt cagggctagg gagacagctt agttattaga aaacttctgg ctacataaga 420
 ctgaggacct gagtttgatc cccattaccc atgtcaaagt ccag 464

<210> 714
 <211> 391
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI101362

<400> 714
 tttttttttt tttttttttt tcatttttcta tttttttttt attctagtag tacagtttac 60
 agccattaga tgatcaacaa caagacatca ctggttgga atccatttcc agagccaccc 120
 tcaagttcag agcaattgac gtcgaagccg ctgcctttct ttcctaacac tctgcctttc 180
 acacacagcg ggagcacgcg ggagcagctc cttctcacat gggcttctca cgatttctctg 240
 gtccctcctg tgctgcagga cgctggagga cattccatac tactttgttt ctaaggactt 300
 taaagaaagg aaggatgctg tttttctttt tgtccaacat cacgaaggca aaaataaatt 360
 gcaagcagcc tcggttactc agaacagaac t 391

<210> 715
 <211> 210
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI101443

<400> 715
 gcaaatgttc aaggggtttct ttttatttta tttttaaaat tttatttggg ttttcttaca 60
 gaggttgaca atgtccacaa caggtgtcag agtgttttaa aaaaaaccca cagaaataac 120
 actgcaaacc ttttggggag ggcctgaggg aggggactta tctggatcat attgcacact 180
 gccctgacca atccttcctt ttgcccacaa 210

<210> 716
 <211> 590
 <212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI101500

<400> 716

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ttttaaaacc tttattcatc actttiaccaa cttgacacac aatgttaata acagcaaaca 60
caatgaacga aatgttgaca gacacaagct gttcacaaaa gcaatatgag ccaggccata 120
tgtccaacta ggtgactgga tgccctgcac tataggaggg acagcagggc catcctgacc 180
tgacattctg agcaagcgtg gtttagatgt cagcataagt gtctttgagt caggacacct 240
gtgacatcaa cattacccat cacactgata aagtataaaa ctccatactc cctaacatta 300
ataaaaatagt gtaaaaatat atatcacata tatataaact taactccctt tcttgaaaaa 360
aaaaacttag tacaaaactag tagtaatagc atattattcc tttcaagttt aagttgtaca 420
ggcttccttt gttgtttggc ttggtttagt taagaagtct aaaggaagag ataatttaat 480
catccaaga tggccacacc cctaaactgt aaagttcaaa atggtcagta gtatgttggt 540
gaggaagagc tgtttggtc aatgttgga ggctattctg tctactgatg 590
```

<210> 717

<211> 182

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI101534

<400> 717

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tttttgga aaagtgagt tcattttatt catttcttga taacaggtat tacgggtggg 60
gaaacaaaag gctcagtgt taaagtagtc aggatccgag gtgcttggtt caaagcaatt 120
acaacaggaa aatactcact gagtgaatgt ccggtccctg atttgtgcc ttcactgcac 180
tt 182
```

<210> 718

<211> 465

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI101582

<400> 718

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ccccattgag ccacaagcca ttcagagtgt gcagcctggt ggccatttta tttctctgta 60
agagatcagt tcaaggtgtc gtctgcaagc ctaaaactcca tggatgatgc tccagtgagg 120
gggtgaaact ccacagcata gctgactgat tgagggccat ccagaggcgc gctaggatcc 180
agtgtggcac tgaggaagta cacagcttgc ttgacgtggg ggttccagca gcagtcccc 240
ttgtcctctg cagggttcat gaggcgggtg ctgaccgtgc tatctggagt cagctggtat 300
tccatccaca ggacagctcc atggctcttc ccgggcctcc tcagttccat cacgccctg 360
gattgcatag gctgctgggg gatgggctgc tggaaatcaa aagtcaggat ctgtcgaggc 420
tctgagaggc ttctgcatgg gtattccac agtggtgtg gctct 465
```

<210> 719

<211> 453

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI101708

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<400> 719
aaaagttttt tttttactta gtttttttaa gggttacaaga ttgaatgcac aatatgatcc 60
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gtatacgaag atatgtacag tgtgtactaa ggatcaaact aaggtaatta tatcttttcc 180
ttgcttactt ataattcctg atttttatag aaacaaaatg atttaataat aagaaaatta 240
ttttttaaat ataaaataac tgaaacaggt gcagcattgt ttagatcaac atttgaaaat 300
aaactcaaac tataggcagt gtgttggttc tcagaccttc aattgttttc tccttcagct 360
tctgaatgct aactatgaag gttaagactg tctaggaatt acatatcaaa agaagtatgt 420
atgagcaggt agtttgaaga ctctcttaca agg 453

```

```

<210> 720
<211> 595
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI101901

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```

<220>
<221> misc_feature
<222> (1)..(595)
<223> n = a or c or g or t

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<400> 720
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catatatata aaatcatgca taataaaaaa taaaaactgt atacaccatt catgggtcac 180
tcttttagtg actggatgtg attacaattc actggagtga ttacagcatc catcactcgc 240
ctgccctgta aacagtgtct gcttcatctg tcctgtgatt agtgcttcca acagtctgtc 300
tctgacagac gccttcccaa gcagcttctc cgatttgctc ttatatactg gcatgtagag 360
aacatttcaa ctgatataat atagagattg ccacagcaga tgcttggtt tagaaagtta 420
tttgagaaac tagaaaattc tctacatagg attttctcta atagagaaaa atatgcattg 480
atggtatgtg aatacgtaat ttcaggagtt agaactgaag aatttaggat ctnccttcc 540
acctgcagtg aaagaaggtt aaggatctca accccataaa acgtgattag taatc 595

```

```

<210> 721
<211> 484
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI101921

```

```

<220>
<221> misc_feature
<222> (1)..(484)
<223> n = a or c or g or t

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```

<400> 721
atttgatcat tttaatatgc cagaccaatt tacagaagag gacggagcac acggaaacac 60
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gaatcaggca aatcacgaat gcataaatac cacagcacag ccagacttgg ggggtggggtg 180
gggtcacagg ccacagggga ccatgtctca aaggcagtc gaggcattaa atacaggggc 240
taaacgttag agtccatctc accgtacaca taactcatat attaaaagta aggagaccac 300
ggatgttacg tgcaagcagc tttggtcaga gaaaatgaac aaggagggtg gagccatgca 360
caggaagggc ttgctgtgtc actctccatc ttcttcatcc ccacaaagtc acctgggatc 420
atagaatgaa tcantgtgtc tcggtaggat actgaaaagt cgtgtctggt gtccttaagt 480

```

gcct

484

<210> 722

<211> 551

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI102009

<400> 722

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ataagaacag ctttttattc catggtttca aatacatagc aaaccgacca tgttccctga 60
aatttagcaa tgacattcat cacaagcctc aacgctctag tctaaaaggg ctcttcagaa 120
tccacttcac aaagctttgc acagaacagt ttaagcacca gtaagactgt tgttagcagt 180
gctcttatcc cttcactgtt acagtcaaac atgcaggttc aacctatgtg tctgacctg 240
taaaatggat gccacactca gccttgtggt acaaagttta taaacacaat ataccaatac 300
aaagtgaag ccattaaaaa gagcttaata acaactacca ggagacgatt aaatctggga 360
agttgaggga atccgaagag gatttggaag ggacacgcag acgtacatta cggtaaagt 420
tttactggga agaggtgcga gggaaacttc tttgcgcttt ggaaagactc acttgctccg 480
agcctacttt ctttctgcta ttatctttag atactgcagg gcattgtgag cggcgctcact 540
ctgggcattg c 551
```

<210> 723

<211> 384

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI102017

<400> 723

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agtaattgac tgcagtatga gcagctgcta gcagtatagg ctggatataa cagtaacaat 120
cacattaagt caagcttgat ttacaccagt ttaaaacttg tggcaattga gttcatttgc 180
gaccacaaa aagtacacaa agaacgttat cctccaaccg ggcacaataa aaccttcact 240
aacattctgg ccccgctctg gggcctatcc cagaggcccg aactccagaa attaagtaac 300
tgtcatataa tacatccac ggctaaagggt ttgttacatg gagattatgc atgtgcctcc 360
ttttccccc gaaaatttat ttaa 384
```

<210> 724

<211> 625

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI102045

<400> 724

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agactcttaa tggcatccta cagttcaagt ttttgaatac aacaaatgta tcaaatacatg 120
aagcaagggtg gtcaaggatc ccatagccca gtcacagtgg gaagcagacc cctccccttc 180
aaatggcatc ttggaaatag gcagatctgg agtaatcaca ggtaaggaga atcaccagct 240
tgcagagcag agcagagcag ttctgggagc tgacctgca ctaaaggatg gggcagctgg 300
ccagacctgt gacctcttct cccctgaata tatttaacta atgatgtttt ctagaaagag 360
ggactgggga tgtagcttag ctgggagtggt gtgcttaaca cacacgatgc cctgggttgt 420
tcccagcacc tcctaaagca gcaagggtgat cacacctgta accccagcac tcaggagggtc 480
agttcaagat cattcctggc taaatgtgag ttgaggcccc tgcttggaat tcatgaaacc 540
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ctgtctaggg gtagaggtaa gggagaaggc taagctatTT taaaaaagga actgaagagt 600
agccccaat ggaaatggct cacac 625

<210> 725
<211> 615
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI102093

<220>
<221> misc_feature
<222> (1)..(615)
<223> n = a or c or g or t

<400> 725
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gcgggcccga ggacgagtcc ggggcggccg aagcccactt cctcccccg catcgtaagc 120
tcaaggagcc cgggcccccg ctggcctcta cccagggcgg gagccccgcg ccctctccag 180
ctggctgcgg cggcggcaag ggccgggggtt tgttactccc ggccggggcg gccccgggc 240
agcaggaaga gagctggggc gggtcgggtgc ccttgccctg tccgcccccg gctaccaaac 300
aagccggcat cggcggggag ccagtcgcag ccggcgctgg ctgcagcccc cggcccaagt 360
atcaggcggg gctgcccatt cagacgggct ctctcgtggc ggcgggccaa gagcctacgc 420
cctgggctgg ggacaagggg ggggcggctc ccccagctgc caccgcctcg gaccggcg 480
gacccccacc actacctctg cccgggccgc caccctcgc gccaccgcc actgccggga 540
ccctggcggc cagtgaaggc agatggaaga gtataaggaa gagccctctc gggggtggcg 600
gcngctcggg agcct 615

<210> 726
<211> 485
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI102190

<400> 726
cagttcatat aatttattgc agttagcaca cagtttaaaa attcaccaac acaccaatag 60
tacaaaacta accagtattg taagttattc cccctcagga aataaaacat actatgattg 120
tcaaagctag atgtcagtct aagatttaca acaaaggaag aatgtgaaac taaggaaaag 180
aaaaagcaat cactcacaat gaccacaaaa aaaaaaaaaa aatccaaaga gtccgttctt 240
tcacagacat tgattgtctt ctctaaatta ataaagatta ttttaacata aactgtatta 300
aaaaaaaaacc cagaaactct tcaagtaact aaagataatg ctccaaggcc attttcacag 360
ctttttttgt ttgcttggtt gcttgcttta aatgccatta cagccaaatt aacatacatt 420
tgaccaaata tttccaaaac agtccagcaa cacacaatga gttttccatt cagtatctta 480
agcac 485

<210> 727
<211> 552
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI102258

<400> 727


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ctccattata aacggttttct ttttaatttaa gaatactgat taacacagga aacattttaat 60
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attggcactg ttgacgggta ctgtaaacaa gatcacttgg tttgcatgag tctgcatgac 180
tcggaagctg tgggttttcta cagtgaagctg atatatatgc atacagagat agggacagat 240
ctattagtac atggatgtgc acagttttgc atgggttactg agcatcagta aaaattataa 300
aaaaaaccac ccattttataa taaaaaggga gcatatgcta agacttgcta gtactgggcc 360
tcgttttctg cacaactggc aagattggct aaagctgggt actaaactct actgcactaa 420
tgcattgatg gtgttcaccc agaccttccg aacagatgcc ctgatttgtg gggtctgccc 480
taggcagaag cctgcccact aggtcttctg tgtttcatca accttctcta agttctacaa 540
tcttgaattt tg                                     552

```

<210> 728

<211> 625

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI102560

<400> 728

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atgtttaaca tagtggtata tttggaaaag cagattttaa aaacacttga aaatacaaga 60
taaggtaatg gttacttacg taagttttaa ccttatattg cttggccatt tttttttaca 120
tataaattat tgcttcctac tttgataaat acacagcaca gtcataatac cagaggcaga 180
gaacatgaac tatgagaaaa aaaaatcaaa cactgtcaat ggcagtctgg taagtcaacg 240
aatgtttcat atttaccagc tcttataatg gtggaaaact acgagggtga gtccctgaga 300
agttaggtag atgcccggcc tgtgggcttt ctatcttcta attgttatcc caagctgaca 360
gcatcatggc agtcctaagc aatgagacgt ccaaaggcaa gagtccttgc ttctgggtcat 420
tgatttcacg ctggtgttta ataacagcgt aatacgaata caaataaata ggctatgcaa 480
ataaatattc ctctgctaaa aatgcttact tagtatatac agctttgctt tatacagtag 540
tacatttctt ccgacttttt ggcaattttt aaaatggggt ttccctagag caaaacgggc 600
ccactcagta atgagtgggc tgaaa                                     625

```

<210> 729

<211> 405

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI102562

<400> 729

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ggcttttatt attcacatgc tcggtagaaa acgggggttta gtaaaactggg tggagggtga 60
cggcaagact ctgagttggg ccggaaatta tttacacctg agggcagcag cactgttcgt 120
cacttcaggc acagcacgtg cacttgctcg aggcaccttt gcaaacacag ccctgggcac 180
atgttgagca gccacggggg cagcaggagc agcagctctt cttgcaggag gtgcatttgc 240
agtttttgca gccgcaggag ctggaccagg tgcaggagcc gccgggtggg caggaccagt 300
tggggtccat tccgagatct ggtgaatctg gagcaacggg gtaagctaca agaaggcagt 360
ccctcgtgcc gaattcttgg cctctagggc caaattccct atagg                                     405

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<210> 730

<211> 564

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI102576

<400> 730
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 gaaggggaaa cttaaaggct actaaggag gtttagggga tttcaactta ggacaatatc 120
 tatgagcaaa aagcaatcac acctgcttcc cggatttgca ttaacaaaac accatgtgaa 180
 gtccgggaaa gacacgctgg tgcaccctgc cctgcctccc acctgcttaa gatgggtgcta 240
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 ccacatgcca tggctcctgt cctgggcata tgcccctctg gctctcttgg cctcataagg 480
 ggtacttcaa tgagtctggg caccaagtac aggataaaat tattcctatc ttttaaaaaa 540
 aatggcctaaa aaggctcttt tggg 564

<210> 731
 <211> 478
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI102578

<400> 731
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 agcatacaaa ggctgtgtgc attgcttgcc ctggccagct cggtaaagca agtacctggg 180
 aaaggggaca gaggagagac ttcagatccc agcctcgaac catgaggaag caagcctggg 240
 tcagggctga gcagggcttt catggctgga gggaatggga taagtgaggc tttgcccctg 300
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 gcaaaggctg ctctacccaa gacaaataat cactggcaag aaatctctca catgctcaca 420
 cgtcaactcc ctttagtgga gtctggaccc cactggacca acatctgtcc aatcatgg 478

<210> 732
 <211> 547
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI102634

<400> 732
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 acattgtccc agaatagctt gaggtataat tcattcagga actatccttt gcaaaggaga 180
 tgatcagcat ttcaatagta tgtcttctg gaagggtaga ctctgctata tcttcttctg 240
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 aaacatcaga tccaagaatg atgtcttctg gtggcaatga caaagtgtcc tttgatatgt 480
 ggccccacgt cagtcttaca atttgcacct gtggcaagtt attcattctg gcaactttgc 540
 caacaaa 547

<210> 733
 <211> 581
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI102739

<400> 733
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attcagcaaa ataaatgtaa caagttcatt taaataaggt agattctaga ctctgtaact 120
ttttttccct agctacctgc ttttctgccc cttggaatct gtcgctgcta aacgaggggtg 180
ttttccaagg taacgcagct gtaagagaag gaactgtttt atatatctat atttcaaata 240
tataaaaatt gaatgactca aatacaccgc tgttctcatc caaccaccag agtggttaagt 300
gaagcggagg aaagaggcac aggaagggtg actgagggtg tccccctgcc tgcccgttcc 360
tttaacttct caacagaagc caggcagctc tggaatgctc tgaaacggat ggtggtacat 420
acggattgga aagtggcggc caagggcaaa caaaaactgc tcccacatca tctttcatta 480
aaatccaaag agaaacgtaa gccacacccc tctcccggcc aagccatcgc tttacacaga 540
actgcattta gcttctgtgt attttgtttc tttagttata t 581

<210> 734

<211> 587

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI102750

<400> 734
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ggccctggcc tctgccccgg ccagctgctg gagctggagc atccacagtg gagcgggggt 180
tcttgatagt ctcattccaca gacacaatca ggcacgcagc ctgagaagct gctgtcagag 240
cgttgatgag caccatggct ggctcccaca caaatgcctg gaagttgtca gcaatgtcct 300
cgttggtgat gttccaccca taccacatgc cccctgtgct atgtcgagcc cgcagtttgt 360
tgaggatggt tgtggcatca aagccagcgt tgtcacacag ctgtcgtgga ataactcca 420
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ttgggctgca tttcaaaccg agcataagag aacgtcttct tgaacgcaac accagccact 540
agtcgagact cctccagggc tccacccctgc accttcttcc tcgtgcc 587

<210> 735

<211> 700

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI102753

<400> 735
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ttataccaac cttttcctat taatgcagtt tctgattaga actaaacatg tctctttctc 180
aatttaattt aggatgaagt aatagaactt ttatgatcaa cttcataaac tgtctttaag 240
gagaaaacga atttttaagt ggggtgtcacc atattttacca gtgaactggc tgcattggtg 300
ccttgctctc ttgaagtctg gctatcatta gaactaacia gatcaagtcc atgaggccct 360
cggggaactc aatggctgtg acatccaagg ggagggcaca taccatacat cacaatgatg 420
aaagttaatg ctcttaccct ctgagtccat gtaaaaaaac ttattactct cattcaaact 480
aactgaagtc aaacagttta aaagtcagaa tgaagaataa aactattttc ttttcacaga 540
gaggagggac actccttcag ctccatttaa agtgaattct gtgctgagtc cctgctcctt 600
cagaacagta aactgaaagt cagttattgc tagcaaagct ccagtggtct ctttctacc 660
tcaaagatgt tccacacaaa aaggctattg gtttgacttg 700

<210> 736

<211> 531

<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI102812

<400> 736
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agaaggaacc ccgtatctct aggcaactgcc aaggaatagt tcaagcctat gcagatacag 180
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gtcaactcac cttcttatat aaacacacat gagaatttgc accaaatctc aacagccagg 420
caaaactcta gaactcaaaa attcttgaag cttatacttt aaaagtattt ttttaaagt 480
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<210> 737
<211> 565
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI102820

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gcggaggaca cacatccttc catgccctaa cccctgccc gcccacaaact tctacctcac 180
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agctcctaca tacaggaaag cttgc 565

<210> 738
<211> 489
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI102868

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acacacataa aatccttgag aattatcaat aatctcataa atcatttggg atttgacgga 420
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catgacgta 489

<210> 739

<211> 562
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AI102871

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<210> 740
<211> 585
<212> DNA
<213> *Rattus norvegicus*

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<223> Genbank Accession No. AI102905

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caatttatca aatgaaactt tactgagaca taagagaata tgtgttaaga gttaacatgg 180
ctaaaaatga gacatcacag aaatagtaag tccataaacc tagaacaggc actcaataac 240
agaagtgatt aggtgagcac aactacaaa ccggtatttg aagcagcttc tagcaccaac 300
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gagctgatgt tcctggtcct aagtcgcctg gcccaggact gacattgacc accggaaagt 480
gctctattcg atttaacttg acatattttt cctactgaca ggcatacgat gaaagaaaac 540
aacaagcttt atagcatagt tcaggatgac atttatttcg ttgga 585

<210> 741
<211> 573
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AI102943

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tcttcagtgg caggtggcac tggcctcaga cccgtaacca gctgccaggc taagagtagt 180
gaggggaacg agagtgccca gggccagggc aggaggctga cccctctcgt cctatgacac 240
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573

<210> 742

<211> 394

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103071

<400> 742

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ggattcttta gccattacaa atggaactga tggtgacaga ccttaagggc tcccagtaac 180
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ttgcagttgc ttgagaataa taataaaaact gagattcact gtcagaacaa agaccttcac 360
tgcacggaac tgaaaaaaaa aaaaccctcg tgcc 394
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<210> 743

<211> 489

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103078

<400> 743

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ggcctgtgtg ggtcctggcc ctctgtggtc tttaccactt agaacctaga atctaggccc 180
agatctctac acagtttgat gctatcacaa agtgggggtg ggagagggct ctctatttgg 240
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taatatatac agtagcttca tagctcagat gcctatgtcc ctttgacagc ctctgagtcc 360
ccagggtact atgactagac aagggccagt cagaggttgc ctctgacaca cctgggggca 420
gtggggcagt gtctcaccac ctgttccctt tctccagcgg ttccagtttg tggaaatccc 480
cctcgtgcc 489
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<210> 744

<211> 432

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103097

<400> 744

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caggagcctt tcggagaggc tatgaccggt attacaacaa gtacatcaac gttcggaaaag 180
gcagcatctc agggattaac atgggtgctgg cagcctacgt gggttttcagc tactgcattt 240
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agaacactgc atggccgagt gtaaccgcct ggcccgtcc gatctgctta accttcacac 360
cccaaccaag aactagggtc caataaaaagg tgacgggact gggttcacgtg aaaaataaga 420
aaaaaacct tt 432
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<210> 745

<211> 586
<212> DNA
<213> Rattus norvegicus

<220>
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gcagtggtag gccaggtag cgctcgcgct ctgcactgt agggctgtta cgcattccagg 420
cgcggcagat ggggtacaac ggtgtgttct cactgaactg ggccaagtcc aactccggg 480
caaacagctt gatcacatac gtattggatc tctgaggacc cccctcagca agcccatcgt 540
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<210> 746
<211> 479
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI103159

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gtgggacaca gggcagctag aatccagaat gtggcgcttct ttgtgaaagc gactgaaaga 180
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agcaggcatt gaagaagagc gtattgaaca gggaccagac cacatggtca ggcacagaaa 420
cctctctggg catgttgatc acggcggctc tcacgacagc tgacttggtg ggttcccc 479

<210> 747
<211> 498
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI103224

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tcttactaa agtagccaca gtcttctcag caagccccgt ttccactacc tatcccctag 180
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gaccacactt tgaccacacg gaaagcagga acttaacact gggcagagct gattttgtga 300
ggtgaacaag atgttggcgg tggcaaggaa tggcgacaga gacaagggtg agtgcaccct 360

tcccacacac ttgccctggg aggctgtctc taggtcctca gaggcgataa ggggttcctt 420
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<210> 748
 <211> 501
 <212> DNA
 <213> Rattus norvegicus

<220>
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 ctgacgtgt cacttccttt gtcttttggg tttctgaggg gctttctttt tcctgaaatt 180
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<210> 749
 <211> 405
 <212> DNA
 <213> Rattus norvegicus

<220>
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 gcttcagatt ttcttcctta actgcatcta ctcttcgaga aagatcttca agtgtgtgct 180
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<210> 750
 <211> 514
 <212> DNA
 <213> Rattus norvegicus

<220>
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 ctatgtagac cgaccttgaa ctaacatctg cctgttgagt gctgggatcc catgggtggc 360
 tgtcaccaag cccagcttca taactacttt tcaccacaga tgatcttaag aattctaaaa 420
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514

<210> 751

<211> 532

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103694

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ccctcttact gcgcaaacac tgaggcaaag tagctttata taaaaatact atcttatttc 480
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<210> 752

<211> 575

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103708

<400> 752

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<210> 753

<211> 573

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103730

<400> 753

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ctctgcagtg ccagggtgtc caagccaagt tcccccggtg agggaaaccc aacagactac 240
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taaggttaata aactaacctt caatataaaa actcccaagt aatcaaaaagc tgaggggacac 420
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aaagaatcac aagttaagga ctgaggtgcc atgactgtca tttcagttct tagcaatgga 480
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<210> 754

<211> 398

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103758

<400> 754

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<210> 755

<211> 648

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103955

<400> 755

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<210> 756

<211> 590

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI104254

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cgcataccct tagaacagaa tagaaccggg aaacaacccc aacagtcgtt cttttacaga 300
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aaaaataaat accgttcaat agactgcctg ccatccagcc tgaacttaca gggcacagcg 420
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 agttatttga atgatccatg aggacagtag acaggaggat cataccagag ctataacgat 540
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<210> 757

<211> 577

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI104482

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<210> 758

<211> 586

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI104523

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 tggtcacaga ccacattctc atgttacaag attcacatct ctggtaatcc aaggactgtg 180
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 ctattactaa atgtagtcag ttgttacaaa ataagacatt ctgagagcag gctacacaca 360
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<210> 759

<211> 395

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI104608

<400> 759

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 catttcttct actgtcccac tcagcatagc aattcagcaa atgatcaaaa gggttttacaa 180

tgcacatcaatt agtccatata agaattcatt caatttgaaa aatagccagt tccgtcatat 240
 atgccaacac accaataagg tatttatgac acaggatctt tattttccca tccgtgtgtg 300
 ccgaagctac agacgttgag acgcgaacca atcttgtggc tgataagtga attctgaaat 360
 gcctatggaa atgtgaataa aggcagttca taaat 395

<210> 760
 <211> 477
 <212> DNA
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<220>
 <223> Genbank Accession No. AI104659

<400> 760
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 acttttttaa tgtgtaaagt tagccaactt tgtaatacag taactccaca tggcagtgtc 180
 catcggcaga gaaggaaagg ctcagagcaa ggacttttagc taattacaag tgttaccaat 240
 taattacaag gagcgccctg ccgggataac attcttcagg ccaagactga ggacacaagg 300
 tctgtaaaag gcaaagacaa tcatactggc aagggtatata acaaattctg gccaaactgag 360
 atcacaaggc tcaacgccat caggtgtttc ctcagaacct gacggcttct cagaagcacg 420
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<210> 761
 <211> 439
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI104675

<400> 761
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 tgagcttcat cttgttacat cttgatacga agagcccca cgcgtatcct caagggaagt 240
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 agttaggcag gtaagtggag aagacaaggc caacctcagg tactgagggg gcagggaccc 360
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<210> 762
 <211> 485
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI104683

<400> 762
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 ttccctctag ctcagacccc agggccctcc caaagcagca aaggtcccag ggaccttgaa 180
 cctggcctcc ctaaatacaca gcagaaaact agggcttcca aaacctcca ctgatagaga 240
 agaaagcaag caggcttgtg aggagagcct tctgcctccc cttgtggaag cagtgcagct 300
 ctaccactca ccggcctgtg ttgcatggct ctaaaacagg gccagccact gcatatgacg 360
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acaggagacc tggagacaag gggccaactg aacagtggcc tgactccatc ttaaagacgg 480
agcct 485

<210> 763
<211> 373
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI104798

<400> 763
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tccccatccc ttgtaaccaa gacaggatac cctgaaggca tcagagacag gatcctggag 120
acacagatat aaggcagcca tagcacagct ggcagagagg atcctggctt actgttgggg 180
actcccacca gcctggatcc ccaaccctga gacctgggtg acaaacctca gtgctgctag 240
cataaaagag atccaagctc cttttgagct ccacagagcc ttctgcagct gcctcctgtg 300
aaactcaggt gaggccagga agttccaaac ccctgcctat tcaactgaaa tcctgtgtaa 360
cacagtgtct gcc 373

<210> 764
<211> 422
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI104897

<400> 764
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cgctgtgtgc ctgcagactg cagcctaagg accgtgcctg cagactgcag cctgagcgct 180
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gcctgcatac tgcagcctga gcgctgtgtg cctgcagact gcagcctgag cgctgtgtgc 300
ctgcagactg cagcctgagc gctgtgagcc tgcaaaactgc agcctgagcg ctgtgaacct 360
gctggtaccc aagggttaagt gatcagctcc aaaccatgca agaaaaacca gcgacacca 420
ca 422

<210> 765
<211> 547
<212> DNA
<213> Rattus norvegicus

<220>
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<400> 765
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tggcacagga cttaataaac ccctcagccc attccgttct actcccaaa agaataacct 180
cccaacttat agaattaaaa acaaaactgt agttccttcg catctccatg atttcacatc 240
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tttcgtctat gcttttgtct gtgcctcttc ttaggttagga acttacgtgc tcttaaacad 360
agtcactatt acctaagtag tgtgagctac ggtgtttcag agaggaggga ggggagagca 420
agtgaggagg gaggaagg catatcaaat gaggggaacat attaaagtga gtatgagcaa 480
aatggttaca tagcctctct actcgatacg tatgattagt attaaatagt gaattgagga 540
taaaact 547

<210> 766
 <211> 503
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI104979

<400> 766
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 ttgcttttca gtttctgtct ggtacgtttt cgggtctctt tgtttgccc tttcttcca 180
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 ttgtatcttc gtttggcatt gggcctttta cttatctgct ggccttttagc tcctcctgcc 360
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 cttttctggg acttcttgat ggcattcatc atatgcgctt tctcctgctg cctcttgtga 480
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<210> 767
 <211> 703
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI105065

<400> 767
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 acccagatct gatgttagtt ccctggagag atcttttccc ataagccatc tttatttttt 180
 ctgtagagga gagctttatt tccaggaaac agtatattct ctggagatgg gaattttttt 240
 aaaaacatca aggtagatct aatatggtca acaaagtggg ggggctcagc cagaggagaa 300
 gtagaaagggt tctctaggat ttgcttgta tcttgctgca accagaaatc cacatgtggg 360
 aatggcgctc aggaacacgg gcctattcga agttgttctg tctttgcac ataaatgcta 420
 atcattgggc ctctgctaa agctctcgca gcacgcagtt gctcctctgg gccacgatct 480
 tgaaaggaag ctctgtaaatt ctctgcagtt ttaatgttga ctgcgatgcc ataaatgatt 540
 ggaaagtgat tttcattttc ttcccgggtca ttaattctg ttacacataa tgtcactaag 600
 tgaatgtcat catcctgttt gtcaaattca ctaagaagct gatgcgtaag tttctgtgac 660
 aactgcctat catcactgaa tcctcccaca aggtggactt tca 703

<210> 768
 <211> 575
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI105113

<400> 768
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 aatagtttag tggtaaaaac tgtacccttg taggcctaca agaagtttgc aatctttgaa 180
 aaagttaaaa ccgccttcaa gattactttt tatatttaac tgtacaatac aggtattgac 240
 caattttacaa gtattttacat aaactaacia caattttatta aacagcatag cttgatctga 300
 actactgctt tcctgtggaa aagaaatact aaaaaagatt tttgtaaaaa cattaaactt 360

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ttatttataa ctttattgtc ttatctaaaa cactttgtag tggcttactg cctaaaaatt 420
ccagttttaga ttataatcta cagacattgg attccacaaa taaccttagc ttcgatgttt 480
cagttttctg tttcctatca tgaggaaaat aaaaccagga aaacggaggt gaagcaacag 540
tgcacaattc actgtgctct cagaaaacat aagaa 575

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<210> 769
 <211> 596
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI105131

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gagtgtgga agacagctcg ggcatactga tgtagcacgc ggttcattga acagtgttgc 180
cagggcagca gcccttccag gaagccaatg tggccacccc gagctgtgat gagcagggcc 240
acgtagggag acttctgggc agcctgcaga gggagggcct gcactgggga gaagggatcg 300
tctgtgcat tgaggcagag gacaggggtg cagatggcat ccaccttggg tctcgggctt 360
gaggcatggt aataagccgc acagtcttta taccctaaaag ccacagatgt gtagcgctca 420
tccagctggc ggattgtgcg ggcctttatc gcaaagtcta catccaacac cttttcaatt 480
gactttctgt tcctggccac aagccggcag agtccagcag tgaggggctg gttgaagagc 540
agtgagttga gtgggggtctc caaggagtca acggtctcaa aggaatccca acacgc 596

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<210> 770
 <211> 570
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI105145

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<400> 770
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tctgaaacct caccataccc atacttagaa acacagtatg aaatacactc tggaaaagat 180
tttgccattt ctggcaactc agtcaggtgg aaatatcttt gctgtgaaca ctgaaaatac 240
gctaaagatg gtccttggtt attctggact gcagtccagt atctaagtga aaactagaac 300
aaccatgtaa aatttacgag tgcagagact tgcactggaa agcccaaacc tataaactcc 360
aactgtcacc aggacttttg cagtgtcact tctactgtca tgtacacaag ccaagtagag 420
accactgtct atactttaat cataaacatt tcttcttaaa acaatcttac agtctgattt 480
gtaactatgg ttgaaatatt tctctagaga ggagccaaag aaagaaaatc attttcaaaa 540
gaaaacagtg ctttgtctta aatatcctgg 570

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<210> 771
 <211> 641
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI105167

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<400> 771
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gagagttggg acccagagca gagcgaagct aggctcctca gaaggaggac cccgactgtg 180

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gaggaaggcc tttagggcta gccttcagat ccagatgtca gaactgcaat caccacctgg 240
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gttgggggttc aacttcagcc ctccatttgc tgtatctaca tcaatttgca gcatcacaga 360
gccttcccta atgagattag ggtaaaactg cttgtcccag gcgctgtaca gtgatgtagt 420
gacgtaaaga cgcttcccat ctaagctgag ctggatcatc tgaggacctc caggaactcg 480
ttttcccttg accactaggg gctccggctg acacgttagc tcttggtcct ccagcacttg 540
tacagagcct cctttaacaa tgctgcccc aaggaagatc tgcccagtga ggcgaggcct 600
cttcgggtta gagatgtcat actgcccatt gtccccgtgc a 641

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<210> 772

<211> 531

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI105184

<400> 772

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aagatattaa tttatttgaa ttcagatatt tttaagatat aaaaactggg tgtatttttt 60
aaaaatgtaa ttcttgtaaa cattctgtgg gtagaaattt gattgtccat attaaagtta 120
ctgatgggtt gcaattcagt gatgtgaaaa ataaagactc tttcagaaag tggcatttgg 180
gtccctaact gtaggaagga actgcttagg cagggtggaag agaaagcctt tggcctctgc 240
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gaaccagggg catcacacat acgagatgac acccctagcc cttctattac atttcaagct 360
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gtgtgtctgc acttcatgtg tacctgggtg cctcagcacc cagaagagga tgctgattct 480
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<210> 773

<211> 496

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI105188

<400> 773

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aactcagata tgtacctgcc tctgcctccc aagtgtctgg attagaggca tgcaccacac 180
cactgcctct aattttaaaaa tttgtgtttt agttgtcaat gaacaaagaa catatatctg 240
attcaccagg aaaccaggaa ggaaggcctt taaatcaaac tagaaaactg ccattgttgg 300
tgggacgaat gtgtatgacc agagctgtgg cctgcccatt tctgaacagt gttgctgagg 360
tttacgggtt tctccggaac ttcttggaac aacagggttc ctggctacca tcggaaaggc 420
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<210> 774

<211> 603

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI105196

<400> 774

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ttaaacttaa agattacagt gtatatatttc caaaaggagc gccctgaag ggtggccaga 120
caagctcgcc gagtgggcac agggacactc gctccaaaag gagctcaggt ggaagcgctt 180
tctttaatct tccacagtgg cccttccctg ttcctcaccg ggcctatgac tggtaagaaa 240
accacaacc atcacttttg ggcaacagca tctcactata tgggaataag aaacatgtct 300
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caacgtataa caggagtatt ggatagttca aaaattcttg taaaaagggc caaagaacac 420
aaaatctgtt taaaggtaat ttctgtaatt aaatgagaaa aattattttt tccatattac 480
aaatgccttt aactataaag acctagaggg gttaaaaccc ttcaaactcg ggctctcctt 540
tctcagtaaa atgtttggca caacccttga gctgctgttg aaatcaacag ctgataggtt 600
tta
603

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<210> 775

<211> 572

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI105205

<400> 775

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tcatgaatta ttcttagcaa attacacttt ttttttctta aagcattcac cattacaata 180
agcagaacaa tggaatatta gccattcata tctggtaagc tttagaaata aaaaaaaaaa 240
aaaccgggca aaacaagaaa ccccaaacgt acccccaaac ataaagcaca ttcacacttg 300
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cgtgcttctt gtttcttct tcttttatcc tttctagaat tacctaggct gaaaattaat 540
accagaaag gttacacttg gctgggtgcc cc
572

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<210> 776

<211> 504

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI105243

<400> 776

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gagtttccac gtgacctaa ggctacact gggctgcaca ggaaaacgag aagtctgagc 180
gtcacacgct gtggttaagta tctgatggca aggttccct ctgtggaggc cacttcccat 240
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taaggcaatg ggaatgagac cagactgaaa ccaatactac tctccgaaac ccagagtagc 480
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504

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<210> 777

<211> 649

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI105417

<400> 777

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ctacgtaaat gccacaaatg cacaatacgg tttccttgct ctatttacat agctgatata 180
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gaggacagcc tctcacactc ttggtagcat ccgctcagcc tacaacactg aagaagaaaag 420
ccacactcaa gacacaagga aaacaagtca gtccagtcga gagaagaaca ttccgggaaa 480
cagagtacca acaccttctt agaacatgga aattaaaaac aactccgtca gagctaccct 540
gccaaaggagc atgttgaaag tccaaaattg caccattcat cagtgtctca agccctgtgg 600
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<210> 778

<211> 588

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI105444

<400> 778

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catgacacaa acatgcattc agtttttattc acaaaacagc ctggtctcct aaaacaatac 60
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ctaccagcag gggaccacga aaagaagccc tttcttctgc tgctgtgagc aaggctggaa 180
aaagaggggt cattttttct aggggaagta gccaggatca gaaatactga gatgtgggt 240
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aggaactccc agtcccagtg ggctctggcc gctctgcaca cgtgaacgga tacagagggg 420
gcttctacac ggtgcgatca acatttcctt tataaacgtg agtggattct ccaggcaaac 480
tatgcactat ttcattggtg gaaagaatca aaggaagtta aaatcagagt ggagttaaaa 540
ctgtgctaaa ttacagtagt gcttattagt aactagattg caaaaggt 588
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<210> 779

<211> 380

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI111344

<400> 779

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tgctgcagtc atttacactg gttagagagc atctaccagg tcatcgctcg tccactcctc 180
ctcttcctgt ttgggtttct ttgatacata gtcctcgtct tcgtagcctt tcctcttctt 240
tgtaaccata ttaagtgcga ggtcagaaga atgacatcgc tccaacttct gtttcagaat 300
agcaacttct tcagatctgg gtggctcata cttttttact agatttctca tgcttttcat 360
tatatccagt agctgtgaca 380
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<210> 780

<211> 448

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI111401

<220>

<221> misc_feature

<222> (1)..(448)

<223> n = a or c or g or t

<400> 780

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ctgttgctgc ctttagagtg gctacctatt ggcaacaagc gccctcagca gagcactgat 180
gagtcctcag agctcgtcgg acgtgatgtt caccttgggt aggttacatt ctttactagt 240
ttgacagctc tgaagaatgt cctggtagtg gttcttcaga tcctcataca aggcaacagt 300
tttctgcgag tgagctaagg gtaacacctt ttcattcagc agcatttgta tctggaattt 360
ttcttgaggg gtctgtgcgt cttcacaatg gtaaagcaca natattaggt ttgaagcata 420
tggtacgatg tgaccacttc ggaactcc                                     448
```

<210> 781

<211> 413

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI111413

<400> 781

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tttttttttt tttttttcaa ggacagaatg acaaacttta ttagaaatgt cccttgcttg 60
taggtcacat tcacattaaa gtgtaggctg cgctgctatc tggctttgta tcccactctg 120
tgacgatttc cagttaaaac cgagtctggg tggagggtat ctggaaaaca cgaaagatgt 180
caaatggtgg cgctgggtggc agtagcagca gcggcagcag cagcagcagc agcagcattc 240
tgtgagagga taggtctcag gtcttcgaga gactgcagag acactttgca gtcccaaggc 300
cacccacagg ggccccagct gataaataaa cagcgccaca cacacacaca cacacatata 360
cgtgcgctgg aaacgagaga caaactggaa gtctcctgca gtgaaaaaat aat          413
```

<210> 782

<211> 465

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI111558

<400> 782

```
tttttttttt tttttttaac aaaagaaatt tattaccaaa atacaatata taagtcaata 60
catgacaaac tcctgtaaag caaaataaat tactctactt ttggacagtt ctggaaatta 120
agaggtgcca gagagagagc tgctctcttc taaacagggt gcctgctcta ccacagacaa 180
ggcttgccag ttgatgtgca acaggatatc accaaatacc aatcatccag ttttaaagaa 240
tcagcgtcag aatcaactct tgctttttta catggtgttc cagaagtttc tctacttggg 300
ctacagaagc aaagccatag tgttacacaa tacttatttc tttaaaaaaa aaaaaatata 360
tttatttatg cccatgaatg tcaaactcaa gtttcaatta aatatattta tatacaatta 420
ctttgagcac cttgctgcac aatttaaaaa aaacgcctcg tgccg          465
```

<210> 783

<211> 478

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI111559

<400> 783

```
tttttttttt tttttttgtg acgaacactt ttattttacaa atataattaa aagccctgac 60
agttaatcat gctcttcctc ggaacctgaa aaatgttttc ttttttaagt ttttttttta 120
agtgcacatg aaaggagtga agcctttttc tcttcacatc tttttattgt aagaaaatac 180
acagtttgaa aggatgaata atgcagtatt tatgaccaca gataggggagc gtgggtaggg 240
gaaggagaaa taaacagatg attggacaga gaagacattg aactccagag actgaagcgg 300
gaggtgggcg tgggggcggg gaggaacagg aggaggaagt aaaaaaattt tgatcagaga 360
aacagttaaa atacaatatg aaaataagca attcctctcc ttagattccc tctatacaca 420
aaatacatga tttgccaaag cccaattttg tgctactggg attccctcgt gccgaatt 478
```

<210> 784

<211> 504

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112012

<400> 784

```
tttttttttt tttttttaat agactgtctt tttaatgagt atcttatgta cacacacaca 60
ccatacaaca agcttggttc cattataatt ccatcagggtg ctcagggtatg ttcaatgagc 120
tgagatagag ttgatgaagc atggccttta ggtcaggact agctgggttc aggcacatct 180
tgtgtagaaa tctaaggagc ctggggcatc ctctcccagt taacctagga ccttaagtag 240
cagtgcctc cccctcccc ttcagacaca atgtgcccac cctattaaca gtataaaaac 300
cacaatacag atgtgaagaa atactgtctt cccatccctt cactaaaatg ccaattact 360
acgctcccta aaccatgata tacattttac aataatccgt agaaaacaac agctaccagt 420
catgtacttc tgcacagctc acatacatgc acagaagagt gggttccag tcagaagtga 480
gagtgaagac ttagagcatc catg 504
```

<210> 785

<211> 505

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112086

<400> 785

```
tttttttttt tttttttgca taacactgac atttttatta gaattcattt gtaacaaatg 60
gaacctgtgt cagcaaagaa ctgattttca tacagacttc tttcgccacc aatgtaacga 120
agtaagaaaa taaaaagcac gcctttcatt ctgtaaaaca cttacgcgta ctactaatta 180
gaghtaattg ttttttttaa caagccattt tacaagttat tttttttttg aattttcagt 240
ctatgcatcc aaaacgagag caaagaacac aactgttatc tttgtaaaaa cactccaagc 300
ttgtatggca aagccgtgta acagatggat aggatggatc tgtagccttc tgacctctgc 360
tggagtatca gggcacccat atacccaatg gaaatcaaaa ccaaaagaga aaaaaaatgg 420
gaaggggatt ttaaaatgac aagaaagact gaaacaaagc taacccaaaa ctcagcagga 480
aagaaaaaaa ctgtgtgtgc tacta 505
```

<210> 786

<211> 523

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112107

<400> 786

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tttttttttt tttttttaac caccagtatt tattgaagag aagtgaagtt atatgttcgc 60
acaacattgt atataaatgt tcataagcat cttattcata atgtcccaa ctaaaaacag 120
ctgatgcccc caccaatagg atatattcat gtaacagaat actactctct gaagaaaact 180
gactcaagta acaacacaga tgcttttcac agcatgctga gtgaaatcac acccaaataa 240
aaaccatact gactgatttc gtctaataca cagcagacag cagtggctta gtgacgattg 300
atggatggtc cctactcaag ggacctgagg cgacttggat gatggaaatg ttctctatct 360
tagttgtgga gatgagccaa caggtgccac ttccgtccaa ttccttaagt gtggtttccc 420
atgggtggct tcattagaac tcatcactgt gcttgaagag gaaacagggc cactaagcct 480
gcctcgctcc tctgcacctg cacctgcacc cgcagggtc aca 523
```

<210> 787

<211> 348

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI112161

<400> 787

```
tttttttttt tttttgtaga gaaacatctt tatttgggta atatgtccca aaacagggtca 60
gttagtaaaa tagattctac agagtacagc cctatgcaca gccctccctc cccaaaaata 120
atcctggggg tggggggaat ctgtctcccc acccggggt cctcagatat aaagttttgg 180
caggttattg ttattatcta ggtttggccc accatgtcca ctttctgtag tggctgggat 240
cagtacctac ttttctcatt ccagaccagt tcagcaaaca tttctgcccc accccaaatt 300
gtggggccta aataaagagc aaataggtct cctccactcc tcgtgccg 348
```

<210> 788

<211> 326

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI112194

<400> 788

```
tttttttttt tttttttcca aaacaccatt ttaataagga aacaacagaa ataaaagatt 60
gttctctggc tggagcccag accccatata atacatcata tgtacaaagt gaccttcggt 120
ccagactgag attcctcctg gggatttttt acttctgttc tgtgccacat tcctgggtcc 180
ttggacatct gctcgtctcc agaattgtacc tgccataaca tagtggcagg aagggggaac 240
atcataagtg gcttatacga gggataggtg ggaaaaggga catttgtaac agccagataa 300
tttcaaggaa gggctttccc tctca 326
```

<210> 789

<211> 475

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI112365

<400> 789

```
tttttttttt tttttttatt aaagaccatc atttattgtt tataaaaatt gccccaatat 60
acagaaaatt cctaattccg gtaactaaaa actcccaccc gccttgtgtc cacaatatcc 120
aatctagatt ggcttgatct tgaagtgtaa tccaataagg ctgaagacta aacacttcag 180
```

```

gtcctggaca agataataaa acactcgcaa gccttctgga tccttggact ggttgacatc 240
aataagggaa ccaatttttg atgttgtaaa agaaatgtgc tcatctccaa tgacaatttc 300
gagttcctgc cggccctcgc gatcaggagg gggccacaga gcgtcatctt ctttggtgat 360
ctcactgtcg tcaataatcc tctttaattc ttccatcaca ctcttatgta cataagcctc 420
tttctgacat atgacatcat ttttgtaatt gctgttggtg gcataatcgca attta 475

```

<210> 790

<211> 460

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI112511

<220>

<221> misc_feature

<222> (1)..(460)

<223> n = a or c or g or t

<400> 790

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tttttttttt ttttttttagg aaaagttggt tccatttaat gctagacttt caaggattga 60
gatgcaagcc tttatgcaat tacatccaat gttaaaattg gtaatacata atttacaaag 120
attaacatca aaacaatcat ctatttagat atgcttttct gtaaaaagga aatatattag 180
cagcatttat attttccgca atcacacagc ctacagacat gcagactaac tctgtatcta 240
tttgacgtga tgtagtgctt tgccccgcat ttcgaacacc aaaacccacc tggcagctgg 300
gggttggttt tattttgtta ttataaaata actgaaaaat aaaaaaggca ttaatttcta 360
caccagttag aaaaacaagt ttttgacatt acctaacatt tgattgtcta aaaaacattt 420
cagtttttaa tctttcaaca naagaaagat aaaaatgaca 460

```

<210> 791

<211> 476

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI112571

<400> 791

```

tttttttttt tttttttatt cttttgactt taataactca tcttatatat atttatatat 60
ttatatctct tcttatcttc atttcctcag caaaagggga aataaaaata ttgatctata 120
aaataagcag atgataacac gatgccaaaa atagcttatg ttaagtgcac ggggtgaagc 180
ttgaatgcaa gctaaattgc aacaatgtat tgattcgaca tttaaataca ggacttgcaa 240
taaaataatc attgagatat atgcttctac ctcttaccga catttttagaa actaccctct 300
acacgtagat ccagttgtaa cacttgacag tagcattatg gagcatggta taactttggg 360
acacactgca gatatggata gtgatttccg taaatgacag tccttcacca gatgaagctc 420
tacacagacc agccacctga tcccacattg ttccccaaca ctgtttgtcc ccgagt 476

```

<210> 792

<211> 372

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI112926

<220>

<221> misc_feature

<222> (1)..(372)

<223> n = a or c or g or t

<400> 792

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ttttggttct tttttttccg gagctgggga ccaagcccag ggccttgccg ttcctaggca 60
agcgctctac cactgagcta aatccccaac cctgagggtc acagttttaa ttccactgtc 120
ttcatctgct taagattcct ctgtgagagc aaaaaagagt gaagagccaa agaatttgac 180
ggctagaagt taggaattct ggtggctggg tcatagatca caaagtgctg ggagaaagac 240
actatttcct atcagcaaac tgtgaggtgt tgactcgaca cagacatatg aactcacttc 300
aaatgctttc gtctgtgtgg accattatac caatgtggta tgacanacac acacacacct 360
aatangagct aa 372
```

<210> 793

<211> 539

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112964

<400> 793

```
tttttttttt tttttttccg gaggaaaata gattataatg gagagatgca ttaacttttt 60
cagtggagta gactcatttt acaatgtttt cgagcacttg atagtctttg gagaatagga 120
tcaaccattg acctaggtag gtactgagta ttttttttagg taaatcagcc ataatcctat 180
caaatgaaaa actcctcctt cctacctatc tttttatttc ctttgtgcat ttactaaaat 240
tgctccatgt ctagacacta aaacaattca cctccacagc aaagcttaca aaatttccag 300
ttgtaagatt ttaaagaatg tccctttcta tcgctcttca gtcacatat cctgatcagc 360
tggctttcag agtctacgta gatttgtctt acagggttca ttcattttaa agtgcaaggc 420
tgcttttagta tccttaatta gttagactgac tttttctgac ttgatttccg atccagttgg 480
aaagaactaa gcataggact gcatacttga gctctccccg aggagagaat ttctgactg 539
```

<210> 794

<211> 493

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112969

<400> 794

```
tttttttttt ttttgttaca aaaccttgta ttaatcattt cccttctact tcaatataac 60
catatgaaat atagccatga ttcttaattc tgtgggagga aatgagtaat aaatacactg 120
tagcaagttt agaccacgag ggcgttgtca ctggtaacaa catttgaaaa ctgtacactt 180
gcgaagaaca gcatgttcaa acattagtgt gtctgcatca gtagagcttt tacatgtaac 240
aaacatgctc tttccatgta tgacaaattt aaaaaatatg cattgcttgg caacatgaac 300
taggcaaaaa tatttctttg ttcactgact ttatacaggg aaacaggaca aaagtcatgc 360
atgtacaata cagatgcctg cacagggcat gcaacaaaag gacgcctttt gaaagtccgc 420
ttgcgttagg cataaatatg tgagggttat atattaataa gggaggaagt cttctgttcg 480
ccatgactaa cat 493
```

<210> 795

<211> 461

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI113008

```

<400> 795
tttttttttt ttttttctcat ttcaacattc tttattaata aaatgtattt caatgtcaaa 60
aggtatcact gttttcttca tttcatttca ttcttctttg ccagtcaggt taaggacagt 120
tgtaccagac tctggagagg gtctgccctg agcgcgtggg gattgctctt gctgttctag 180
taggcacatc gatgttatag tattgatctt tggaaaaggc gtagtaatca tagccgtcag 240
gttttctaata gttgggcagt gttatcgagg aagtaacgac atttgggaac cctctccaca 300
gtgtgctcac cttgtcttca ttgtggagga agcctttgtc ttgataagag gctttgatgg 360
gcaccgagta atggatcctg aagggtgtgtg tctggaaagg tccaacagca cgctcaaagc 420
ggcgctcctt gacctgtgct gcctgcccc a tacactgagt a 461

```

<210> 796

<211> 492

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI113046

<220>

<221> misc_feature

<222> (1) .. (492)

<223> n = a or c or g or t

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<400> 796
tttttttttt ttttttttgt caagtcagtc tttattggct cataagcatt cactcttttg 60
ctcttccttg aggtatctct ataactgaac atgctttact ctctctgagc tgtgatccaa 120
tactttttga cccatcccc atccataaat cccactgaaa ccaatacctt ttggtattct 180
aaaattcctt ccattcctga ttttcatcag tttttattga gtactagatg tgggaagcatg 240
aaaatgtaaa aaaatgatga ctgaattaat gaggggaatgg tgatgggtag atatgaaaaa 300
aatggtttat tgatcaaatc tctggaaata caaatacact gtttttcttg ggaagtcctg 360
aggtcagggc tctggcgaaa cacttcttat tcaactgcgtc ctcaggcatt tccataatct 420
gtgctgcang gagcgctgta ttttgcaact gcaaactcat ctttctcata gtaatcgtag 480
actttcacta cg 492

```

<210> 797

<211> 346

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI113055

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<400> 797
tttttttttt tttttttccc taataacaaa ggggtttattt acacattgct tcaggcataa 60
aaaaaaataa ttacattac aaaggtagcc ttaggaagga aatactgacc aaaaatttgg 120
taccatcatga ttattcaaac aggaaacaac ctgcaatttc cctggaaaaa ttcccgggtg 180
ggtttttaac tacttcatta caattatgaa aaataaacag gccacctgtt taaaaaaata 240
tccattccca attttcaaaa aaaaaaaaaa aggtcaacct tgtaccttca aaactaggta 300
tcaaaacttt aggccagggg atggaggagc aatcccttac ttctac 346

```

<210> 798

<211> 424

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI136478

<400> 798

```
cggccgcgct gagtccccga cctccgggag cgcgctgggc cgtggcgggc cgctccgcgg 60
ccccctagcc gacatgtcgg cggccaagga gaaccctgtc agaaaatttc aggccaacat 120
cttcaacaag agcaagtgtc agaactgctt caagccccgc gagtcgcata tgctcaacga 180
cgaggacctg acgcaggcaa aaccatttta tgggtggctgg ctgctcctgg ctccagatgg 240
caccgacttt gacaaccagc tacaccggtc acggaaatgg cagcgacgat tcttcatact 300
ttatgagcat ggctcttgc gatatgccct ggatgagatg gccagacctg tgccttcagg 360
atccagcaga gacttggggg gaagagaagt gtcaacatac acaactgcac tcagcctcgt 420
gccg                                         424
```

<210> 799

<211> 380

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI136514

<400> 799

```
tttttttttt tttttttcaa aaaaatttac aactttattt ctacagctct ggcaacactg 60
tgacaaatgg ttagaactgt ttcaccaggc catagacata gatgtggaaa tcattcttcaa 120
acttgatgaa gtacacagtg ggcttggctt caacctgggt tatgaccatg ccaactctct 180
tggagccatc atctttgggt tattccacgt gtttacctat cagtccatcc accagctcca 240
ggtcaatgtc taaaggaggg ggctcactgg accctgccat gatacggagg tcacctctct 300
tataatcatc ctgtgcttta catgtaccag cttctggatc tttctcataa gtaatatataa 360
agctggcctc gtgccgaatt                                         380
```

<210> 800

<211> 352

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI136630

<400> 800

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atgaagccca ggctctccag agccaccatg tggactggaa ttcagggttc aagatcataa 120
atgcagactg ccttagacac tcagaacgct caaagtcagg agacgtaaga aatgaaaagg 180
agactggtcc ttattgtaca agaggctgaa ggtatgggtt gtcccccgcc ggctggaact 240
tgtagccggt gagcacgaag aaggccaggg tggaaactct caccaagagc tggtagagcc 300
actgccactg gaagggcact gccactcgaa gcagaatggc gatgatgcgc gt          352
```

<210> 801

<211> 282

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI136702

<400> 801

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tttttttttt tttttttctt taatgtaaag tgtcattatt taacaaaaaa atacaaaata 60
aactacaagt ctgtctttgt ttacggccct ttgttttcct ttaccaaagt ggggtttccc 120
tttcctcctc atcagctttg gccaaaccag aggacttgta aggaaagcag agcctgcaca 180
```

gtgagagaac actgccttcc cacatcaaac cccatgacag acatacagtg actcagtcac 240
 ttgagcctgg cctgaagttg ctaaaggctt tgtgaggata ac 282

<210> 802
 <211> 435
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI136714

<400> 802
 tttttttttt tttttttggg gacaccatat tgggaagcaa ctgcttttat ttgacagtgg 60
 atgaggagga gatgggtgtc agaagagatg gggagcattt tctgtcctac gactaaatga 120
 catgaattta ctgtacaatg acagtgtaca tggctagggg aagtaacgtc accgacttca 180
 cagtcagctg taaagagtgg catttcactg gatgcctcga gagacagttc tgttggagta 240
 tttgagttta aagactttga aaggaaagag aatttggctg aaaagtatcc ttttcttttag 300
 ttaaactcga acaagtctcc agtcagcacc cagtcaaaca cagtgccttg aactttgggt 360
 aatttgtcgg acagtatact ccacgccact gtggaactct ggagaacgga aagggcttgg 420
 cacagcctcg tgccg 435

<210> 803
 <211> 475
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI137049

<400> 803
 tttttttttt tttttttgaa ggggaatttgc tttattttaat aaactgaagc cttaaagcat 60
 tggtaatttc tatgtactac attcacgtat cccagttggg ctgaagtaga aatgtgtttc 120
 tctagctttc tttataaggt tcaattatct tctttttaca ttaggattat atctaaacag 180
 atcatcagca agagagtctt ctttcgcttg ttgtttctgt acctccattt catgtttcaa 240
 ccactcttct aattcagtat tctttcgagc atggtgacct attaaatctg atcctccaat 300
 aatgtgtgga agctttcctg ctccaggaca cgtagccttc ttgaatttct tgaaattctt 360
 cagttcacca cgaccattta gtgggcacag atttctggaa gagttattat ggacaaccag 420
 tgacctaaat tcagtcagca gcagttttct tggaagcctc gtgccgaatt cttgg 475

<210> 804
 <211> 446
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI137211

<220>
 <221> misc_feature
 <222> (1)..(446)
 <223> n = a or c or g or t

<400> 804
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 agtttcaaca actattctct ttcaaccggg aaatgacggc aacttctgtc ccaacacccc 120
 aagaacgtcg tcggcttttc cttcctaagt ctcatacatg agtgggatga agatatagga 180
 actgtgcctt ggggaggggt cactgtgtga gggctggtgc anaagttgct gggagggggac 240

```

tcctggcatt ctgtccaccc agagaaagac agatttgctc acgctcactg caggcgatgc 300
tggccctgcc gagcaactag cacacataga cataaggtct aagctggcca aggccagtga 360
gagaatggat actgggttcag gagggcagct gaacagcaag agccacagag agagagatta 420
ttcctgaggt angaactctg tatgca 446

```

```

<210> 805
<211> 399
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI137345

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<400> 805
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ggtagcacac acctttaatc ccagcagtcg agacacaggc aggtagggct agctcaggat 120
ttgaggccag cctgggtctac cagagtaaga cctctctcca agaggacgac agaagctcgt 180
gggctggacc ttgctgttgga gaagcccagg tccccgtagg ctcagtgtcg tcctagtggg 240
cagggcagag taggcattct atgggtgggc ttagggttca ggtgttaagt gtctgtctgt 300
ctgtctgggt aaagggctct gattcttgtt ctacaccagg gtcttcatgt tctttgtacc 360
tgaaacccca cttccactga tatgggagtc agcttctca 399

```

```

<210> 806
<211> 392
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI137356

```

```

<400> 806
tttttttttt tttttttccc ttttaagattt attttatgta tgtgaataca ctctccctct 60
cttcagacac acagaagacc ccattacaga tgggtgtgag tcaccagggtg gttgctggaa 120
accaaaccga aatctttcac agaacagcaa atactcttaa tctctgagcc tcttcatgtt 180
tcttaaatga acaataaccc ttttgtctac tggcccagag aggctggggc cactgatcta 240
acgtggaccc accatattgt gctgcacgag gtacgcaatg gtctcccgga tgccagaact 300
gatgaggttg gacgtatagc ccaagaaaat ggtgcagcct gtgagtgggc ggcggctctg 360
agtcagggtc tcgtgatgat cttcatctac tg 392

```

```

<210> 807
<211> 540
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI137406

```

```

<220>
<221> misc_feature
<222> (1)..(540)
<223> n = a or c or g or t

```

```

<400> 807
tttttttttt tttttttaaa taagaaattt taatatttaa ttattaatta actgcttcca 60
atattaatta atcttacaac tgtgacattt ctatgggtct ttcttccta tcataccagt 120
gtcccttccc aagttggaca cacctggata cattaaatgt tttatttttg tgacagacaa 180
ttccttttat tttagttaga tgttttgaat gcctacagta aatctgcccc ttccgggagg 240

```

```

tcgcagacct cctggcctcc cccaagtct atgatctcat tttcacagat aaacacccac 300
ttctcagacc agctacccaa agcatgcatg ttctcgagtc ctttgcaaac cggttatttt 360
gtctacataa cctcctcata tcccttcctc acattcttcg taggcagatg ctggagctgt 420
tgctctaacc tcctgagata tgggtggccc ctgggggagt ctgtttggct tcatttgacc 480
ttcncatacc agctcncacc agtccagccc tttctctgag gaacctggag aaaaatttag 540

```

```

<210> 808
<211> 519
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI137420

```

```

<220>
<221> misc_feature
<222> (1)..(519)
<223> n = a or c or g or t

```

```

<400> 808
tttttttttt tctttttcat taaaaattc tttatagcca tttcatgtca attgaaatca 60
cagaactagg cagaaaagcc caggccacaa atacaaacag cgcagcactt ccctgggagg 120
ctggggacag acatggcacc atggccacag tggctggagc tcagctgtcc tcatcatcat 180
catcggcaga ctcagaggcc aactgcatcc tctcatggtc ctgatgtca tccccaggcc 240
tggcggggtc agagctgtcc tgtgggctgt catgcagctc ttctgaggag ccacccctgg 300
ggccatcctc caagtctgc ncgtcttct gtgtccatc ttctgtgttc tctcccttct 360
gggatgcggc ttcaccattc acagggtctg accgatcagt gctgggctca tctccgcca 420
gctctctggg agcctgtcc caggctgttc ctccacttct cgcacgggcc cgttcttctc 480
ggctttgatc tccgcctcgg ggtttggggg gtggcttct 519

```

```

<210> 809
<211> 416
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI137468

```

```

<220>
<221> misc_feature
<222> (1)..(416)
<223> n = a or c or g or t

```

```

<400> 809
tttttttttt tttttttgaa gctacaaaga cgctgagcgg ctcagccagc cgggagctgt 60
tttattaact gcttttgtga ccctgaaaca tatgaggcaa agctagataa acacatggta 120
gcctgggggc cagcacagga acagtgaag gtggaagagt tggggcaaat ggagaggagc 180
ctgagggaga gtcaggggat ancattcctg gctgagggaa tggggaatgg cagatgctgg 240
gaatctgcat tctgacatgg gaccaaattg cttcagtggc aagcggggta cccttgccc 300
gcacccagtg tgccatcctc acaaggtcnc cagctctgcc acgtccagca gtcgctgtcn 360
cctcacggcc tcgggccccg cacagagtgt gtcgttctgc gagaacatct tatgtc 416

```

```

<210> 810
<211> 432
<212> DNA
<213> Rattus norvegicus

```

<220>

<223> Genbank Accession No. AI137488

<400> 810

```
tttttttttt ttttttttgag atgctcgaag tttattgcaa agaggaaggc ggggttggtg 60
tagggagggtc aaggagaaaa ggaagaggag gaaggaaggg aggaacatcg agaggagagg 120
agggtaaaaat aaccgggaga ctttcttgct gttgagaagg tcctgtctcc ttttcagggt 180
gatgaagccc accagacatc acaaacaact gcaacagggt caccggcagg cagcacaggc 240
aatgcctcat attcagatct tcacagttgg gcatagtatc ttgtacactc tggtgaaatg 300
gttctcacag caggagcatc acagccagac tggacattct ctcaaagggg tacgagttgc 360
agttctgaag gccctgggtc ttggttggtc acaaagtcca gtcctgttta ctgtgatcct 420
tgcctcgtgc cg 432
```

<210> 811

<211> 490

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI137506

<220>

<221> misc_feature

<222> (1)..(490)

<223> n = a or c or g or t

<400> 811

```
tttttttttt ttttttttgca cagccaaatt cagatttatt agaaccgcag cacaggggtc 60
ctgccgtgca gggtgggctg gccttcctgt ggccccacc accacaatta cccagcagct 120
gggttgacta ctttccctag gaagagcagg ctctgggtgg tcacctcca nagcagaagc 180
aggaagggcc tgtaaagtg ggcgtgtggg gctgacgtca tgttcaggga tgggggctgg 240
gagagcaggc canaggcagc tgcggcctca gttcccttct cgttcatgtc cacgacggcc 300
ttgtgcgata ccctggagac agttttgttg agctgcccc taattcctga taggtcggct 360
tccacgtcaa agaggctgct gaggccaacg aggggcagga tctcttcag gttgtagggt 420
gcagaaactg aaaaccgtgg caggtgcaaa tccaacagac tccacgtntg agtcatctgc 480
aggtgcttca 490
```

<210> 812

<211> 522

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI137572

<220>

<221> misc_feature

<222> (1)..(522)

<223> n = a or c or g or t

<400> 812

```
gggttttttt ttttttttgaa agcacacctc acattttatt cttttataca agaatcctga 60
ggaagactga caagaatagg ggctagggat tctccagaag tctcaggctc atcagctggg 120
gtgagttact gtaacctccc ttacaatcct gggtcttcac aacaagtcgg gcagtgggtt 180
tccaaaccgg accgcgaagc ttctcatggt tcatcagggt gttccattaa acatgcacgg 240
caaaaaggcc gttttctcgg cattaaaaac agcaaaaaggc agggagtggt gaggtgtatg 300
```

```

tgttcttana agtcaagaga ggtgtcacgc cccgagggga ggagaacgtg agtctgtgct 360
ctcttttact ttgggttggt gaatcccagc atacattggt cagccagccg gtgccaccgg 420
atgcccggaa cctccttggt gagggagtgt ctgacctctc accatgcac gagaaaattc 480
cgttgtctct taagacatct cagcttccat ttggatgagt tt 522

```

```

<210> 813
<211> 415
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI137586

```

```

<220>
<221> misc_feature
<222> (1)..(415)
<223> n = a or c or g or t

```

```

<400> 813
tttttttttt tttttttaaa agggtaaagc tttatttgga gttagtcttc tggcaggtgg 60
tattaaggcc cttcaggcag agttcaggag ctctgtatg gctgcctgct gctccggact 120
gagttgagct atgcattcag tccacaatcc tccagaagtc tgtacttggc gaactacatt 180
ggccaggcgt ttggcacagg ggtcttcctg tttgatggcc tcatgcattt ctctctctgc 240
aattatactg aatatttttc gtagattggt attatttggg ccaagaacaa ttggatgatt 300
actttcaatc aggtcacaca ggtaactgaa ggtctggaca gcttcttctt tatcttcatg 360
tanggggagc cacgacagcc agtgtggtaa gacctctctc acattcacgc agtca 415

```

```

<210> 814
<211> 607
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI137761

```

```

<400> 814
tttttttttt tttttttggg aattctcaaa ttttatttcc aactactgta gtaacaaaat 60
accagtgata attctgcagg aagagtagca accttttaaa taaacaaggc cgtaagttag 120
tattgcaaca gtactttggc ctatggagtt tgataggatt attgcatgca gtcttatagt 180
attgtagact gtgtgtcctc tatgtctagt aataaaaata ttctctgac ctcatgact 240
caccacacac acatatttct accctatggt gagcactgcc cttttagggt gtactaaatg 300
agagaaaaag tttttgctcc tgggttttcc aagagtatac agagatagca gtcacttcca 360
cagttaggta caatattaaa ctttgagttg aaaaataaaa cagtatccta tttatgccct 420
ttctctagga gtaaaaagac acacacaatt acaaacataa aatgaatcaa agttctatct 480
tattgacagg agtccaaatg agtataaacc tgctctcttt gtatgctgtt tactgccttt 540
aaaaggctgc tgacagagtc aggtagatta aaagctacga atgtattcag cttttatagt 600
gaacctt 607

```

```

<210> 815
<211> 384
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI137856

```

```

<220>

```

<221> misc_feature

<222> (1)..(384)

<223> n = a or c or g or t

<400> 815

```
eggccgccat tctcgccctgc tggttccttg gcccgaagcc agctagtggc caccgcccttg 60
ttcactcggc cagacttcgc ttcgtactcc acggccacgg cacagatgtg caccggagttg 120
gggtggacct tggaggatga ggcaatggag tantatcggg cctgcaggcg tggcagcagc 180
tcacacaggt ggtcgatggg tggccgcagt gatgggtant cttggaggat ggctaggatg 240
tgccctccggg cttccaccac ccagctcagg tacagctcct tgccctcgcc tgaggatgac 300
gccatcttgt gcaggtgctc ctgctccgag ggctctgagg cgtactgtgc cagttcgtag 360
agcacattgg tgcgtggcgg gtta 384
```

<210> 816

<211> 425

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI137988

<400> 816

```
tttttttttt tttttgtctt tgaagggaaa cttgtatcat cactctggct agattgcaaa 60
tataaccatg ttgaatgtgg ggggaagctg ctgcattccc aaactctgta cccctcaagc 120
aaatctctaa ggggcccacaa cacaaatgct gaggctttta tggaatttac acattgcttt 180
gtccctagtt cataaaggtg aactgaacac agcacctgta agtgacagca gttgtaacca 240
gaagaagaat ctggactcgg acttttattt ttatatggaa agaataataa ggtggggccaa 300
atgagcctac tcacaaagaa agaagttacc ttggccttat ccctcacaga cagctaaggg 360
aagcaatgtc tcttgggtca caaagtctga taataaaga tattaatatg tggtgccctg 420
tgccg 425
```

<210> 817

<211> 401

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI138034

<400> 817

```
tttttttttt tttttttgat tgtattcaaa tttttattct ctcaacaaaa aaacttaaga 60
caatgatttt aaataataaa acatgatata ttctagacac ttaattgttt tcttttttaa 120
aagacagttt attataaatt tggactccta cagttctggg gtggcgccctc gacatttaca 180
gtatttctta ccattttatc ttcactccaa acttgctaaa caaagagttc ctctccgcac 240
cctcgaggct tcgctttaag gaaatacttc acgaccacac gaaaccaca cacacagaac 300
atttgttttt ttttttttaa aaatatattc agaagtctgt ccagccattt ggattttgtt 360
tctttgcca tactgagatc aacaaaaaag ccctcgtgcc g 401
```

<210> 818

<211> 511

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI144585

<400> 818

```

tttttttttt tttttttcaa ttgtcctggt gattttattgg cctagagaat tgaaaacaca 60
caaatctgga gataaatatt ggtcagattc tctaaatctg ggtcctcact acgtatagag 120
ctagagtctg taaaattcta aatcttgctg gctgtggcac agaaccagta gcttccact 180
ttttcccttc tccccagggtc acatggggaa agaggggcaca aactgacaag acttgatcac 240
ctccaaatga caaaattgca aaatcccaaa ctcccagcac ctgaaactca ggatatggag 300
accttccagc tcagatatat atttttaagt ttctgctttg ccacaactgt ttgtcaccaa 360
attctggaag ctattgtctt tacccttatt aaaaacaaaa acaaaaccca ttataatct 420
caattcttcc aaatgggtcag aattttgatc tattctgaaa ttcaaattcc ccagttcatt 480
tttacccttc ctctcaagac ttctcagag g
511

```

<210> 819

<211> 576

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI144586

<220>

<221> misc_feature

<222> (1)..(576)

<223> n = a or c or g or t

<400> 819

```

tttttttttt tttttttggg gccagtcata tctttattag tgtctgcagc tgagccagt 60
gtgccctcac atagtctagg aatttttagtg ggcactctgg cctctgagcc agagatttta 120
gcttttctat tggcaattgg gacagactga tggaatagtt tggaatggga tcaaattggaa 180
agattgcttg ccacctacag acaggcacat gagagattcc ccaagctggt gccaaagggtg 240
gtcaggccct anagcaaaat aattccattt cctccagag tgaaggaaga gaaaaagctt 300
cagatgttaa cagtcaaagt cagagctgag ctctgggat cagaaaggca tttcctaattg 360
gaagcaactt tgtaaggcca gaggtcccaa agagctcacc tgttccacag ctaggaaacc 420
ttanggttag ctgaactatc ataaggaagc taccaagtgg ggaaaagggtg ccaaattgccg 480
tgttctggat aagggtgtat gttctgccag tactaactag acaagcaaag tattcattat 540
agttgaaatc cagaaacttc ataaaaagcc ccatca
576

```

<210> 820

<211> 374

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI144612

<220>

<221> misc_feature

<222> (1)..(374)

<223> n = a or c or g or t

<400> 820

```

tttttttttt tttttttacg ttaaattaaa gaccttattc aaaattgaca aggtagattt 60
tcatcttcca aggacacagt ataattctta acagtgaaaa taagcgaaat ttctgggtaa 120
acataaatcc aaattttatg tcaaattttc atgggttctag ggacgatgtg cagagcctct 180
ttacagctct ttcctttttc atctaaaagc aagagtaata acaccataat aacatttctt 240
ctttacagga tgagcaacat ggctccccc ggcagtcatt cgttagcttt ccattattaa 300
cccgagaatg ggtgtgtcnc taactatgaa gacagctcac aatttcttta agatggagta 360
gagacatttt actt
374

```


<210> 821
<211> 510
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI144741

<400> 821
tttttttttt ttttttttaa aggattttaa aattatttat ttttttatta caataaatat 60
ttatcaataa agaattaaac cattgaaaac taaaacctac tgccttaaag ttgggggtcca 120
tagcagcaga cacaaacata aaatccagtt gaaagggtcaa ggggtcaagg ttctagactc 180
cggtgacaac agtcagggtcc tgattatatg gactaatgac ggggaacggg aacacagaga 240
atgcagaacc cacactcaaa cgacccagag tatgtacta tacatccaac cacaagactt 300
ggaacattcc ggtgaagtga agcagggtca gagctctgct tcagcaagat caagtatctc 360
ccagatggcg tccgcaagca caccgctccc aaagctcctc ccagccgaaa gagggcctgg 420
gagaccaga aacctcaacc ccaaagataa tagccagcat tctcgaaacc agtctttctg 480
gctccaaagt tcctggtgaa agggacgtgg 510

<210> 822
<211> 588
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI144797

<220>
<221> misc_feature
<222> (1)..(588)
<223> n = a or c or g or t

<400> 822
tttttttttt ttttttttang accataaata tttttattaa atgtgaaaat acacgggcat 60
aaaaatactg cccatattca ttgacatgtg taagccccag ttgaaataat tttagttcct 120
tttgtattaa aacactaaat tgagatggat taagtcagg ttgtaccatt taaaacaaat 180
ataaaggtaa gagtaataat ttatcaaacy tctctaattg ttacctcccc tgtgccaca 240
tctctttgca caggatctc aaccacagac agtgcaatga aacctgtcgt tactgtacac 300
agagccacgc agtggctaatt tttactctta aatcattcag caaatgagat catctattaa 360
aaaaaaaaat acctcgcccc cttttaacat catttgaaat tacagaataa atgctgccac 420
tactagaaaa ggaatgatac gacctggaag aagatcagat tagaggttac catttcctct 480
ctccctcca tctactcggc aaggtcaagt acattcacga aagccgtcct cactcccggt 540
accagacgc atctgtaaga caggcgccga cagagggcc tgcacagc 588

<210> 823
<211> 488
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI144832

<220>
<221> misc_feature
<222> (1)..(488)
<223> n = a or c or g or t

```

<400> 823
tttttttttt ttttttttagt taggaaaatt cctttactat ttgtgtccac atgattggtg 60
aaaaagcgaa cagtagtaac gtctactttg gtaaaaacag tccccgatct tgggggggcta 120
catcctctgg acgggcttta ttcccagtat atcgaagcct ttggccatga cagcagctac 180
ggcttcacac aggagcatcc gccacatggt caccttcagc actttcccag tctgccgatc 240
tttctccaca cagtagcagc tgtcatagaa ctctgtgaaa gtggttgcta gctcataaat 300
gtaatcacac agagtgtgga gaaacaggtc atctaagatc ttctgtagga tttcggggaa 360
ccgtaaaatg caccgtccca gtttccactc cttctcgtgg tccaaaatga tcttggtttc 420
ncgagctgct ctctgcagca tttcctcctc gatattggcc aggcgtgcaa tggacctgat 480
tctggtga                                     488

```

```

<210> 824
<211> 512
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI144936

```

```

<220>
<221> misc_feature
<222> (1)..(512)
<223> n = a or c or g or t

```

```

<400> 824
tttttttttt ttttattgta tcataccaaa gtttattgat tacatcaaag aaaaatttct 60
gtaatgaaaa aggcaagttg cattcataaa agatggcatt catgttcatt ttagaaagca 120
acaaagtaga tgtaaaaaac tgcttaagtg aaaaatgtaa tatcgagtt ccattttata 180
agctgaaaaa tgattttatc aacatttgca taaaatctgc actttatata ctgcatgtta 240
ttaaaaaatt ccaccactaa attatgactt ttgcaaattt aggcttacat ttatactggt 300
gctggtgtat atgtagtaga tatggaatgg atattttttt gtttaatagg caacatcctt 360
aaacaataga caacaatttg gaaaattaca gacattttga cagctcaaaa attattattc 420
acatcatagc aatacgggtc tactgttaga tttcttgcca tcttctgaca taagagtagt 480
taanatatag tgctaggaat gctggatggc tc                                     512

```

```

<210> 825
<211> 563
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI145081

```

```

<220>
<221> misc_feature
<222> (1)..(563)
<223> n = a or c or g or t

```

```

<400> 825
tttttttttt tttttttact tttctatcat ttatttagga acatgtttta catattagga 60
aaaaacagaa ggcaacttga tctaataatt tttcaagcat atttttgttc taataatagg 120
gggaaaactc tctataaaga aagttaagtc cagggtgctat aaaaatcctt agcccttcac 180
atcacaataa aggatgtatc tcggccaatt tgttacctcc acgcacataa ttagacatac 240
agcatgcatg gtactcttag ctctatcccc agccctgcag cacaacanag gaaaagcccc 300
cagattaaaa aaaaaaaaaa aaaaaaatcc aaaactgggc ttaggctctt tgcatttaaa 360
caggtaagat gcaagctgct taaaaactat ggcattattga aaatataacc tctcctgtat 420
atgctgatat aattttaaatt ttaaagggtga aaacatacat ttactaacia aacacatccc 480

```

tatagaaaat gtttatatag tggaatactg cctttcagac tccatttgca tcagtaacaa 540
tagtgactga ctctagtcca agg 563

<210> 826
<211> 443
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI145095

<400> 826
tttttttttt tttttttatt tgcagctgaa tgttttattgc agcactccca agtgatcact 60
gttgatgaa taaggaaaca attcataacc aataaaaatg ttgaactgcc ttttttacag 120
taattgtaca ctcatgtgc ttagtctgta aagttgtatc ctcagctcac ccataacctt 180
cccagaatag aacactctgt catacattaa catagagcct tcaaaaggta tacacaaggc 240
tcaactctgc aggccatacc agatgctgtc ccatccacta gacagttaa gagggacaca 300
gcaagggcca tgcagacccc atctcaaaca tcccagtact aatactctgt atttgcttct 360
tgtgtctgct ttttctgaac atcaccacat ccagttttcc ttcgcaagaa gtctcctctc 420
actggccatg catttctgct cca 443

<210> 827
<211> 556
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI145385

<400> 827
tttttttttt tttttttaac ttttcaaaaa gaacacaaaa ctttattaag atcttacact 60
gtcatcagat acagccaaag aaaagggttt ataaaagacg gagaatcccc ttctcatgtg 120
ctcctgccat ctgagactcg atggcaacga atgctgtgta taaacaactc cattgagtaa 180
cccagtgttc ctttctgta cagagaagaa ctgaattcac actgttaaaa gccttttctg 240
gcacaactga gaagcagggc tcatctttag gagtaactcc taacagctag taaagcaatg 300
tgggacttta cgttacttca catcctgtcc atttcagagt ggggaattcag gaaggccctc 360
ctacctccc agtactgtc ctctccagac ttctcagacc gtacgtgagc cacacaccat 420
gaagctactc atgacagtgg cagcagacaa cattctctga actgacaatc atgatggctg 480
gatcatccta gactttgttg atgctaaagg atttcttaga gaaaaccctg attcagaatg 540
ctgtgagcag ctgtca 556

<210> 828
<211> 567
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI145556

<220>
<221> misc_feature
<222> (1)..(567)
<223> n = a or c or g or t

<400> 828
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agagagagag ttctggatga tatctttccc ctctagttca atgtgctaag actgagacag 180
aagcagaatt tgtttctgtc aagggcaggg agggcagggg gggcagggag ggcaaagata 240
ggacctcact aggtaaccct ggctaacttc aaactcagag atccagcctg ccactggcct 300
accaggttct aggagtagag gagagcgcca ccacaccag tctgtttttt gagacaaagt 360
ctactatgta agttcagatt ggcctttaac tcaaaaatct tcctatagcc acctccaaag 420
taccaggatt aaaggcatgg gccaccatgt tttggatgac cttgagctcc tgatcttctc 480
gcctgnggtc tgaactcaga gctttgtagt gctaagccat aactccaagt ctataagcct 540
tcatccttga ntcactgtgt atatttaa 567

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<210> 829

<211> 439

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI145569

<400> 829

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gtacagatgc tgtacattaa aaacataaat acccctctta caccatgtcc acctcgaca 120
aaggactcta cgcactgctc tctgaagcac ataaccacac taaatgtaca aagagccatc 180
cgctggcccc acatagccaa ctccaatcag caagacgtcg attagggctc atattcccag 240
accaccaaag ctgaagagct tgccgaggcc ttcacgccac tggcccaggt agaagcgatc 300
cgctccaaag cccccaaggg tgatgctcag agccagagcc gtcgaccact tgtagcctcc 360
agtccagttg cagtacagca gtttagggaa agtccggtta cccaagcaat gaatgtggtc 420
gcgcacagtg cagttggca 439

```

<210> 830

<211> 480

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI145870

<400> 830

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attatcatcc aaactcagaa ggcacagcca acacatacac acaaagtaaa caaggcagga 120
ctgcagcaat agctcactta acaaaatttt atctgacttt ggggtggagga actttcccaa 180
gtaaaaatca actggagtgc tctgtacaaa gctttcctaa tgtctaactt cattaatgaa 240
ttacttgctt ttgcagcttt taagtcttga gctaagcctt cagaatgatt tattgaaaag 300
tcttattcag ttcagtttta gagaagaaaa ctacaacttc tcaaagttta gtttaacacg 360
gtctcctctt ggcaagcatt agatatcttt agcttgactg ttcttatttc cccctctgtc 420
ccagctcttt tagatcacgt tagttatttt taaggatcca tcttttttga catgtctagc 480

```

<210> 831

<211> 421

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI145931

<400> 831

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gagaggacta tgtacatttg agtgcatatg cctgaggcag ctgaggcact ggatcccctg 120

```

```

gagcttggct ttcaggcagt tgagtgcctg acatgggtgc tgggaactga acttgggtct 180
ttggcaagag cagtttaggc tcttgaccac tgagctggct ccgcagcctc ccacactggc 240
ctttgaagaa atactgatct aagagagcgt ggttccactc agtagctctt ggggtctcagt 300
ccaggtctat tcccaggagg cctagtggat cctgcgggtc gtgtagtcca gaacatgct 360
ggcgcacca agcagggccg ggtcaacaa gtctgaaacc actacatcca catcctgcac 420
g 421

```

<210> 832

<211> 394

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI146177

<400> 832

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tttttttttt ttgtttttaa tccatgttta ttaccacag cccattagta tgacatagat 60
aacataaact gagacatttt ctgaggttaa agagacagtc tgaagtatcc tggatgccta 120
ggatatcctg aggcactcgt gttgagcctc actcacacce gcccaagggtt ggaagcttag 180
catggacctg cctcccactg gctcgtctcc tcagtgtccc acccttcccc agaccagaga 240
cttcattaga cagccaaagt tatgaagtga gacagtggac agacatcttg gttcgggtggc 300
catctcgga tcttggctct ttggttctct tactctcaaa ttgctttcca gagatgggaa 360
gtgcacacct tgagggaatg tttaaaagta atca 394

```

<210> 833

<211> 520

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI146215

<400> 833

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caaacattat gctatagaga tgccaaatga atgaagtttc ttgacctgcc cctgaggagc 120
tcacattcta gtaaaggaca ctttaaaaaa taaaatatac agtacaataa gtgattcaat 180
agaggtaggt tgcaactata atggtgacca aaggaagggc cagggttaatt aatgtcacag 240
agtctcaaga acgcatggag tttcccagaa gaagcctagg gctctccatg caaatatggt 300
gtctacgaag gtctggaggg ctacaactct ggacttctgg aaaactcttt aacactctta 360
tcagagcaga gtggcaacaa caagaggagg gtcttagata ccaagcagag actctcacca 420
aaaagctcct aaaactgcct gtagcagga tgaggctgaa tgcttctaga aagcccaatt 480
cggtaatctg ggccaacaga gatgggaaaa tatacacagg 520

```

<210> 834

<211> 421

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI146216

<400> 834

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aatcggctac gaaaacttga ataccttttg cataataata ctacgggtctc actctctgct 180
tttgctaacg actgggtccc tctctcgctc taaccctggc cacctcgtca agcctcgact 240
gccaaagtcga cgccgagaat caccaaagga aagaggtgag tgggcatgga aggagggagg 300

```

agagagagag agaagggaga ggagaaaagc aggtatcata tacaagcaat ttctacacat 360
 atattacaca ctgggataat gaccgatcat taagatatac ataattcata taaaattttg 420
 a 421

<210> 835
 <211> 456
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI146237

<220>
 <221> misc_feature
 <222> (1) .. (456)
 <223> n = a or c or g or t

<400> 835
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 ggtgtaaacc accatgccag gctttaactc gaaatctcaa agcctactga gatttagaag 180
 ctttgccata aacatgtttt tttttttttt tttaaacttt ttttcctttg gaaactacca 240
 tggnaataaa tgattattgt atatcaacaa aattattctc tttttcagtc aaaaataact 300
 ttcacaaaat acctggctaa cccaatagaa aaatacaagt tacattctat cctgagggtta 360
 aaagaaaaaa agtttgatcg gggagggatt agtgaccaca gtgtactctg tcagcgtagt 420
 acttgctgtg gctaatttca atgaaaagga acttct 456

<210> 836
 <211> 637
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI168953

<400> 836
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 tgatgtaatg tttcatttac ttgattaatt cttttctcta aaagtaatag ttaaaaattg 180
 ccaatgggta aattatgaat acaatcgtgt acaaagccaa catagtatgt tttaccattt 240
 atctctttca agttctgcta ttttaatttc tgaatacaaa ggaaactccc agaaaaataa 300
 agccaaaaga ggcttaagtt cgacactatt atgtttccaa agtttacctt aaatctacag 360
 ttaaccagta gatggttgga gaccagagtc attcctttta taggccagag tgactctggg 420
 ctcttatgaa cttaaccctg aaaggaggca gatgtaggga cttcagttta gtttggattg 480
 taagagggga ctctctacct agagaaactt tgaataattt caagacttag aagcaacaa 540
 taaaaattta caatacaatt aggatataat tttttaatat aatagacatt gttaattaac 600
 tatacacata tgggttagatt tcggcagtaa ccaagcg 637

<210> 837
 <211> 448
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI168967

<400> 837

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attgtttctc tctctttttt tttttttttt tttttttttt acaatttgca aagtatttcc 60
agaacaacc tttgagggtg acaaaattct tacagggttg aaggaactga ggggtattggc 120
tttagtttgc agtgaagtca actaaggctc aggaagccaa agtgccttgt ctagctacac 180
aaccagttag atctgggaac aaaatcttcc tactgcactg aacagaaaat gggggccaca 240
ctttgggcta acacaggaag agggccgac agaaatacta gcagggaat tgtctgactg 300
gaggaatgac cttcgatca aaagttcaga tactcaattc ttgaaaatcg ggatcccatg 360
caaaactggc aatgcattcc aggaaactag acggtcttca gcatacatgg aaaccagagt 420
tgtagctcct agtaaccata taacggag 448

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<210> 838

<211> 534

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI168975

<400> 838

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ggtcttaaaa tgggatacag agcacagtga cggtcacat ggtgctgtca cagcacaagg 180
agctactggg tgctcatttc cttcctgaac attccctgag cctcagtcca cgatggtcaa 240
cgctccccc aaacctggag cttttggact ctggctactt cctggagggtg aagtcacaca 300
ggccacgccc tgccaccccc aatcatggcc agtcaattgt cttcagttag cctcagtact 360
gaacactcgt aactgacctga cacagctgac cctaccctac ctagtacag ctggaggcat 420
tgtctccatt cttgctgtc tgctgtgac ctgagaaaga aatggggaaa agaaacttcc 480
actttcccaa gaaagctgga aaaaagagag ggcagattgt ttctgggcag gaac 534

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<210> 839

<211> 255

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI169007

<400> 839

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ataaatattc aatttattca aatcacataa gattaatcca aagccacagg cgtgatgatt 60
tcctggtaga atcaagaaga ttttcagtgt ggagatgatc tcattgggat tggaaatgtt 120
caacttgcca cgagcaactg gaacggactg tctgtaggaa actacagaag agcgggggtg 180
gggggtgggg agtactatgt ctaccagcgc tttccgcttc tagctggact attattatac 240
aggagagaaa tgcct 255

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<210> 840

<211> 474

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI169041

<400> 840

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ccccacagaa ctttatattc catactgtcc tggcccaggg cacaggcacc tctgagttag 60
aataatctag acagaacggc ctttcctcta ggtacatcag tcactttgtg ttttcaaagg 120
cttgtctttg ctgtccttac ccaacacagc tctctttttg aggcacgctt gagttacaag 180
gctgatccca tcttctagtg catatgacag ggatggagat cctgggttct ctaccccagc 240
acctagctgt gatcattctt tcctcctctt accaggcctg agggctctcc aatgtatacc 300

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```

tgccccccaa ttctcacact ctcaggtgct tttcttagta tcagcagccc ctccacctca 360
ccataaaaact ggatccccctt ttcttttagc gccctcctat ggcttcccat tgctttgagg 420
aacattagat gggctctgcac catcccactt cacagcacat tctgaccact actg 474

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<210> 841
 <211> 522
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI169075

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<400> 841
aaaggagagg aggtttatatt tggctcatag tctcagggtta cagtcggtaa tggcagggga 60
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tctactcttc tagtcccagg atcctctacc caggggaatgg tgccatccgt gatgggtgag 180
tcttcccact tcaacagaca ttcataaagg cctttttccc tagtgactct aattttatatt 240
caagttgaca attatcatta gcagagcagg ccatgtctct gcctccccc tcctaacaca 300
tgacaggtaa gaggatgaag gcagaatgta ggggctacag tgcaagcagg aggaagatat 360
atcctactgg cttcatttcg ctagagaaaa ctcttaatat ggggaccttg aagaaatatc 420
atggactcca cgaatctgct gcttcttgag gaaagagcta aagttcaaat cctctactac 480
aattcattca tttctggggc tgcttggtt tgaacaaaaa tg 522

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<210> 842
 <211> 703
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI169156

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<400> 842
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catccaatta catcccccg cccaccgcac atcatcttgt gtttgagtc agcttcacat 120
aggtacacat atccactgg tccaggcaca gggcatgggg agatgctgca gtgagtaact 180
cattttttgc ataacagtat tgcttttgct agtgtagaa taaacaggaa agccacgttt 240
cttcataatc tggctcttg aatagataac aaaggagaca agaccttggg cccggtactg 300
aggcacggtg cctcccatc gcactctctc agtttggtcc attagagtcc aagatgcagg 360
ggttccctca ggccccaa caacaggaact tgggaagttc tttatgcagc gttcgatgaa 420
tctctgactc ctctcgttgc caccaaaaag ccagaattta ttcaccaatg cagcatgggt 480
aacatccaaa gatgaaagt taaacatctc ttgattgata gccttgggct tgccacttcc 540
tggtgataaa ttctttgtat ccagcaggga aaggaacagt ttcctaactg tctctgatac 600
cacatagagg atgttttctg agtggttgac ttggaaagaa tggatgcttg caagattttg 660
tattgcttta ttcaagtggg actggaact ttgaatctgc aaa 703

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<210> 843
 <211> 556
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI169163

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<400> 843
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gtttctgatc caagtagaac acaccttcat ggatgggtgt tggtagaagc ttcaagcagt 120
ctcttgggtt agactgctca ggactgaacc ccacccttgt tgctcatagc ttggcctttg 180

```



```

ccatgctact aagccatttt tggactgttt agtgatgtta attattttta ttactcagga 240
acaatcagtt ttctccttgg tcattgtcct ggttgattta ttgtgtcaag gtgacacagg 300
ctagagggtgt ctggaaagaa ggactccaga tgagaaaagc ttccatcaga ttgcctatag 360
acaagtctta tatagtattt tcttggttaa tgatggatgt tggaagacct ggatcacttg 420
gggtggtgcc aaccttgggc aggtagggtg tgctgagttg tataagaaag cagcatgagc 480
aaccatgga gaacaagcct gtaagcagca cttcccatgg cctctgcttc agtttctgcc 540
tggagttcct gcactg 556

```

<210> 844

<211> 649

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169166

<400> 844

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tgggaaatga ccacaaaagt gcagtacatc aaaaaactag gagtttctaa caagctcaaa 120
atctcaaatt ctaaaactcc ttgtttgaaa cgaacttcag gtaaggtaga taaagacaac 180
atcgatgtgc agggcaatgc ggaatcagct tgctctcacc acgacgcctt caggataagg 240
tagttacgat ttgcttttagt aaagtttttc ttttcctgtt aacaagagca acaagaacaa 300
caacacagta ccaagagaca ccgtaaaaca aaggaccac tgaggaagtc actttccgat 360
gtcagagccc gccaccttcc ggctccttg cctcgctgcg ccagtgaggc ggtgcagtac 420
gggctgggct ggccctgcag ccctctcctc gccggctggg ccttggttca cacttgctcc 480
gggaggcccg cttccttgga ggagagcagc ccactgagcc ccgggctgag tgaaggctgc 540
gcttgtagga gtggcttctg tgtttcttcc cacttggttc cttctggtct tgacttttgc 600
caggctcctt actgcctctt ttttgttcgg ggtcttgctc cctcgtgcc 649

```

<210> 845

<211> 598

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169171

<400> 845

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acaactacag aacattttctt tatttttcac taagactttc ccagaggaca taactaacct 60
tgtccccacc ccacccccca cgaagggtta gtgcgtcac tgctataaag cagactcgga 120
cagtttcaag gattggaacc aaccttaaat ggcaaaaatg ctttctatct gaattttcat 180
aaaaatgttt aagtaaaaaa acgaaagtta aggatcaaag gggcaacggt ggcttcagag 240
tgaaaagatc attcacggtt cacgtcagac attcaatctt ggctcgagtg taacacagcg 300
ggaacaggct cactatcata caaaaggttc actacagcgc gctgtgggca cctgttccaa 360
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acggaggagc acgtatatct tctctttgat ccagtctatg ttatacggct ggtatgtctg 480
tgtatcagct cggtaaacia gacagctgag atctgccaga tcgtcaatga aatcaaacia 540
ctgactgata tcatatgca tggaacggct gttgggattc attctcttca catgttct 598

```

<210> 846

<211> 597

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169239

<400> 846
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tcattagtag aattctaatt taagcaacag aaaaaatagc acattgaaaa ttttagattct 120
gtcttgtttt cctacttagt tacaaagggtg aacctacagt tgggtgaaca aatattttaag 180
gcataaaata atttctctac tggttttattc ttgactccac aaaatgcccc attcctatga 240
attccttagc tttggaacca actgttttaa tacatggaga aaatgtttta gtaacatgtt 300
gtgcagggtga ccaaactgta aactgtaaga tctacagttt ttcttactgg ttcttcaaaa 360
atgttttccc aagaaagtta gaatgcaaat ttattgcacg gataaagtca aaagatctaa 420
aatgttttat ataagtttaa aacctttgat cattatccta gttttttata aacacaatag 480
agaaactata ttatagaatc acacaaacaa aatttacaat caattcttta aaaacatata 540
aataagagta cttacttttt taagaaaaag cattttttatg attaaaaatg acattta 597

<210> 847

<211> 652

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169279

<400> 847
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gaatggaacc atcacataga tgcttttctg gaaccccaac cttctatgat ccccaaaagt 120
gtgcttgtga tttcagcaac ttacaaaggg gagaggaaat actgagaaaag gccactattt 180
aataatgaag gagtgaagggt gtacagggttc ctaaccagcc tagggccaaa aataagaaac 240
aaaagggtgtg cgcagagcaa gctagcctca gactgctgag agtaaggcat tcagggtgcca 300
gcctggcgag ttcccggagg caccacaagg tcaagtgcac atggaggctg ttggtagtga 360
gctgcgcaga cacacagggc acacgcatgc ccacacagc ataccagaa ggaaagtatt 420
cagactacac ggtgggtggtg attctgttcc ctaagagttt gtgctatgtt gaaccagagt 480
ctccctgctt tgggaagagg aatgactaga cccaaagacc tctacttctg taggtgtcat 540
gaggaagcat ttcattgctc tgtcccaaag tacgtgacca gagagtatgt ctggcttctg 600
atatgtgctg tttcccacaa acctagggtga gcttccttcc ggatggacat tg 652

<210> 848

<211> 634

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169284

<400> 848
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ccacaaaaca aagtagaaga aatgattaaa actgccaag tagttaacta gtagaacatg 120
tattagtctc acacacacat atacatgtac acaggaagga aggcaggctt atttacaaga 180
aaacatgtaa aatcaaagtg ggtgtcagga aacattgaaa aacaaacaca tacatgctac 240
aagaggcacc actgagtaca gtgctagggg ggggagtga cagaggcaga cagacagggt 300
cagtcttcac agcatcagt caatggatcc acaaaccatg ttacagctag ttcattgggt 360
aaggagctgt tccc aaatgt gtctatttg gccctcagag gttgagttct gcagattccg 420
actgctctaa aagcctacct actgagaggg cacatgatca cagtaagctt aaggagttgc 480
aaaagctatg cagaccaaag tcaccgatca gcagtctgct ctgagctgca gccctgcatt 540
tttctgagaa atatcaagg gaaagtcaaa caccagtaaa cactgtctct gaagtgcaaa 600
gctggagtga ctgaaattca gccaatatt cgaa 634

<210> 849

<211> 567

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169302

<400> 849

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aggtgcatag cacaggctgg ggcaatagct cctgtctaca atccagagca ctaagacctc 120
ggctttgtgg ccttaaagac atcagcccca ggggtaatcc agatactggg cataaatagg 180
acagccaaaa cctccctcag tctagccaaa caagctttca tgaggaggct tgttccttgg 240
cctggctggc tccttccccg aaagcttttg cctcaggtag atcagcgata ctaaggattc 300
cttcctttgg ctaatatggg aacttttccc acactagcac agcagggggc gtgaccacaa 360
gctatggggc tctggggagg tcccatggg catcaagtgg cgacacagag cagggtgtgc 420
tgcacgtgct gagagctggg cacacagagt ggccaggcgg cagggtgtgc cgcagggtgc 480
tgaaggtggg tggcccttat ggtagagaaa ccagaaggctc tggaagagct gctcatcagc 540
cctcatgcgg tagaccaggt tgtgcca 567
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<210> 850

<211> 637

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169317

<400> 850

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ccagttctgc attttcattt agcaaagaca ctatagaaaa tgaatcatca tatcctctct 180
aaaggaagaa aacgaatcag ttcttcacaa gagtctttcc tttttttttt ggtatcttaa 240
atgtcgatga tcacgaacac ttctggcttc tcttcattgt agacttgcac tgctgagtat 300
gttattgctt tgacctcggg tccctgaggg tgcttagaca gtgaaaattc ttctccccac 360
ccaatggatc gtaacttgaa atttttttgg tcaatattaa gtactttcac ttcccggggt 420
atgaagtact catcggcact gaacctgtaa agccactcgt ccaaaaagtg aaacagcaga 480
gactgcaagt cgtctccttg ggtttccact tccactgttt ggaggggctc cacagtcccg 540
gtgtctgtca tgtaacaaa catggccatg gcacactgtt caaatgcttc ctccagggtg 600
tctccccatg catgtaactg gacattaact gtatgat 637
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<210> 851

<211> 644

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169327

<400> 851

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agtgttcagg cttcagcttt tgccagggga aggtctcggg tcatcgagac cccaaggat 120
tgccagggtg acaaactctg attccgtggc aggcaggcaa agtgatcgct ctggtagccc 180
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caagggatgg ctgaacaggg aaacactgtg cacacccac agccagcact ataggtcttt 300
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tgggacttgt ggacatatcc acagaggctc tccatggctg ggggtgtaggc gaaccggaaa 480
cctgtggcat ttcccacagc gtcgaatcct ttgagcatct tagtcatctt gatctcataa 540
cgctgggtata aggtgggtctc gatgatttct ggggaacca tgaatttagc ccttataacc 600
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aggtccgagt tgcagaaagc tgtctgtggg tgggttgggg caca

644

<210> 852

<211> 625

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI169337

<400> 852

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catgttacac aggtaaaacc ctctttttat tatatacaga acacattgaa atagagcatc 60
tcctctgaac acaagacaga aggccttgcc tttctgtaag ctcccaaaag aacatgaatc 120
atggcctcga aagagttcct tctcaagggtg gtggtgcatg cctttaatcc cagcacctgg 180
gaggcagagg ctggtgggta tctgtgagtt caaggccaac ctggtctaca gagagccttc 240
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gaagaaagga ggagtgcagg ggaggaggca gagacagtgt acatgtaaaa cctgattcca 360
caggactttc ccagcatcat ctgaaactat acatcccttg ccttacagcc ggggggtggg 420
ttctttggtc cagtagacct aggactgggg tgtgcaccac tcagtctacc tccatcttct 480
tattctgcaa agaagccaca aagacttgcc actccgttgg gtaaaagcgc ttatagacat 540
tgatcttatt ccggtctgtg tttgggggtg cttgatagta attcttctca tcccgggcca 600
tggccttata gtcctatcca tgatt                                     625
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<210> 853

<211> 491

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI169529

<400> 853

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atgagcaatc agcatctcgc ttcctagaat agaagccaca aggactaggg ctaactgaca 60
taaattacat tattcttggc gcttggcttt ccataacaac ttggaagcag ccacacgcct 120
tgtggtacct ccctttctca tccctagatc tttatttttc tccgaactgg ttctgttcta 180
ggcagagttt tccttggtcc gactctgttg tcattcttgg ctgtggctgc gtctgttgct 240
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atctgtttcc actgggcaga aatgacggag agtgaggctg tctttagtag tctatgtgga 360
aaggatagtc cttatgattt tcagttgagg ggaaggtggc caagcggagg ttcttgtcga 420
ggctgaaaaa ttctccata tctttttcag ttaattcaaa atcaaattcc tgaatattct 480
ctctaattccg a                                     491
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<210> 854

<211> 453

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI169557

<400> 854

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ttaggcaaaa gatgcatcag gacaaataat ttttaaaaca aagtctccaa gtcagacatt 60
gagaatggca aagggtgaagc aaggaaagaa aaaaaaaaaat caaagataaa atatccagaa 120
gaaaggcaca gatagccata tgcaattaca tgtagaaat cagaattttg acagtgaaaa 180
agatgtttta atatttcata aacttgtagt aagattttcca cttaggcagt tttgaaggat 240
ttgactagct gcttaaaata tgaaaacaaa gcaaaacgaa accctatatt ttaataagtg 300
atagtaaaac aggacagcca gccaaactaag ggacaaagag aaggcggagg atggaaaaga 360
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ccaccacact cactgcaggc tcgtggctcc ctcaacccca ttgccttca tcaggctgat 420
gacctcattt cttccataga acctggccaa gtc 453

<210> 855
<211> 580
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI169612

<400> 855
aagtctaaaa aggttttatt taaccagcat aaccatatcc aataaaatcc cagcttcaga 60
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accaacaaat cccatcaact attgtagagt ttgatgcaaa tttcagtcca gggcctcgtc 180
ccttggtcca tgccctttcg taaactcttg taaaagtcac gcctttcatg acacattcca 240
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gcacatgtac caggacccca ccatccaggg ttatgatgct cttcactttc ctgtcatctg 360
gggtgatttc atcgaattcc acgcccagtt tgaaggaaat ctcggtgttt ttaaaagtac 420
tctctgaccg gatgacgacc aagtcccctt ctacgctgat gatcaagttg ggcttgacca 480
taccggccac tttcctgggtg gcgaagccaa ctcccacttt tttcatgtaa tcatcgaagt 540
tctcactgga gacgagtttc caggtcccca caaaggcggt 580

<210> 856
<211> 583
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI169617

<400> 856
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ccacctttcc ttctggctta agctgggttc tggggtgcca cataagggtc aggtgaggca 120
gctgccggaa gttccaatca agaaggcaag gacagtggca atcaagggtc ctctctatcg 180
attctgtgtg agggacacgc accctctcca ggcctctga agtagtgtgt cagcttagct 240
gaagagtcga atggtgccat ctgccccgga ggagaagacc catggctgtg tggggtgga 300
ggccacatcc agtacacca gatctcgggt caggctgtgt cccttaagca ccttgacggg 360
caccagcaat gggttctgca gcaggtcatt gtacaccatg ccatggcaaa cgataacgct 420
gccgtcgtct gagccggatg caaagagtgg gtatcggggg tggaaggcca cagcccga 480
ggccttcttg tgggtgcctca gcactttgta tggcttggtg gaaagatcca gggcaaacca 540
caccagtttg ctgtcatagc tgccacagat gatgttgtca cct 583

<210> 857
<211> 600
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI169619

<400> 857
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aataaataac ggtgtttaat cattaaagggt aaaaatccca actctttggc atctgacagg 120
attctattac ttgtcaaaact aatgactgta tagatagagt taatcttagt gaccattcat 180
cagtacaata tggtacaaag gtgcagtttg ctttaaagta gaaacagcag aaactttcca 240
gccacaaaa acttggtattg atgcagtaag ctgggagccg gcctctcctg agctctctct 300

tacatgttgc caacatggct gcctctctat taagagctcc tggggtttct aagagtaatt 360
 ctgctctaag gaaagggtgc catccattct ggacagagga aaaattatga ttgttccagg 420
 aatggcccaa ttcgtcaatt aaaaagtatt cttgttttat aagcaagact gctaaccct 480
 tagaaactca cagtgcctcc aaagaaaaca taaaatatgt agtcctatat agccagaatt 540
 gccaaatcag taataaattg cacctttaag actgagtaaa agaaacagaa atgtttacag 600

<210> 858

<211> 682

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169620

<400> 858

cttgctatga gtgatacttt attcctatct catggagaag ccctgcgcgc cagtcaggcg 60
 cgcctattta accctggggc acgcatcaac gcctgattgg ttgtttactc atgatctcat 120
 caggcacgcc ccggaatggg caaagacctg gcaggaaggc actcttgac atgcgcatag 180
 ttaacttctt gatagggggg ccagctggcg cagggaaggc tggcgccatc ttgactgact 240
 tggccttcca cgtggggcgc agtggaagcc agcgccatct aatggtcgcg catgttattg 300
 cggccctcta catctcacc ttataattat aattttatag cagaaatgat caccctatcg 360
 cgtgcaatga ggaaacctca gcgatgtgca agggctgac aaaggaaatc actgagtctc 420
 tctcaatccc agtgcaatgg atccacagat ccatggggtg caggagcaga gaactcagat 480
 acagagagta tccctctcct ccagtgcaa tggaccaca ggtccatggg gtgcaggagc 540
 agggaaactca aatacagagt aaatcctgaa caagataacc aaattccagg tgaggccctt 600
 tgttcaaatt gctgcaagt cttgagtgat aacggccttg tcatgttact gttgagatct 660
 gagtttgtaa accaaccata gt 682

<210> 859

<211> 547

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169668

<400> 859

gatccaggag ggtattttaat ttacatagca gccacgtggg gcctgtcaag ctgggacagt 60
 gggacttctt aaccccagat ggcattccct atccttttcc ttcaggactg tcttcacagg 120
 cccttgagata ggtcgcccca cattgtgcag aggatgctcc agttgaaagg aagagagaaa 180
 tctgggaaat aaggctgtcc ccaagcgggg aaagtcctaa acctggagtt ggttgccctac 240
 atggtagctc aggggtcttg caaaaaccag tccacgtcct aggcacagtt cttactcagc 300
 tgggccttca gaggaagccc tcccggcgga actgttcttg gaggagggtt cgggtactgg 360
 caaatcctcc ctgcaccga gtgacactgc ctttctcgca caccacagc tccttgacac 420
 ccagtcggat gaagcgtcgc tcatgagata ccagaaccac accaccctg aagttgttga 480
 gagcatggcc cagagcttca attgtctcca tgtccagggt gtttgtgggt tcatccagaa 540
 tataaaa 547

<210> 860

<211> 554

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169690

<400> 860
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 ctctgtaaag gaagtggagt tccatgggtc cataggaaaa atatatctct ctgcttggat 120
 aaagtcctgtt aaaagagcaa atcaccttgg aatgttctt tacatgtctc caacctatga 180
 atacacaata aaacaaaagg tatattaaaa aatataactt ttcattttaa aagaagaatt 240
 aaataactaat gatgtagagg taaaatacat ggaaaatata caggtgaagt tctaaaaatt 300
 tctcctatctt tattagtgc tactaaaaat actcaggaaa caacaacaac aaaaacaata 360
 attacagctg atcataaaat aaagtacagt agttttactt ttaatattta ggggaaagg 420
 caaacaataa gttgtccatt caaacaaca aattttaata actttgattc aagtaactta 480
 gaaacatggt tcacgtgggg tttaatgtcc atttatggct aaatatcatt ttaagagaga 540
 ccaaaattaa taac 554

<210> 861
 <211> 652
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI169695

<400> 861
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 acataaacat cagtgttcat aaaatattta aaacttttga aaattttatt ccattgggaa 120
 atccctggag ggaaaccggc catttttctc tggaaactt tatcaaaggc ttcagcttgg 180
 gctactgtga agtgattctt ccagtcatta gttgtgcctt ttctcatgaa agtaaaacca 240
 gtaagaatca gttccttctc catgaggcta taattggaca tgttgttttc tttcacgact 300
 tggaaggaaac tatacttgag gaccaaattc agtcacatctg gctctaattt tttccccagg 360
 aagtcacata tcttctttat ggatcccatt gtatcctttt tcatgtcttc atagtacagt 420
 accaagaagt tgtcccattc tctcatagac agccagccac ggatgtgctc aaaccatgat 480
 ccataatgca catttctttt gaggaaccat tcaacgtaag tcccagcga gtctgggttc 540
 tttccaggc cgatcttact ccagaaaaaa taagcagaaa caagaacatc tctgggaatt 600
 tctgatgaga tatatcacct tggccttgga actgaagaga gacttggaga aa 652

<210> 862
 <211> 490
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI169706

<400> 862
 actacagggt tgggacctag gaatacaaaag ttaagaatca gattctagtt cactagcacc 60
 aagctctgga aaaggaaggc agacaatttt aatactgtat ggttgtttcc cagatacacg 120
 taggtggagt gcaaggaagt agggaaactaa catcagctgc ttaattccaa gtgtcagaca 180
 ttagcaatgt ttatttccca attttgaagg caggtttcaa tgtccctgac ttttaccag 240
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 tggtaagga tggtagggg ctttggagg ctctcccta ccaagtact tctgcagtt 360
 tagaggaaaa aggacatggg ctcaaagata atgcagtagt gtgtgtgtgt gtgtgtgtgt 420
 gtgccacgc gcgcgcgcgc gcgttcacgc acgtttgtgt attttcgaaa catggtctca 480
 cttaggcctg 490

<210> 863
 <211> 492
 <212> DNA
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169751

<400> 863

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aagtctggag acgaggagca ttaagagcaa tgatgacgac agtaacaata gtgataatga 120
ccatgaggat gctgaggacc agggagctga tgttcaggca tttggcagtg gatgcgtaag 180
cctgggctcc agtcatatca cccaccatct tccgatccct agacttcaca gagtaggcat 240
atgcaatgaa gcccaggcag cagaagttca tgaagagcgt attgaacagg gaccatacca 300
catggtcagg cacagagacc tctctgggca tgttgatcac ggtagttctg acagaagccg 360
atccgtgggg tgcccccagt tcagacacct catattcttc cttgattctt tcgtagtttg 420
ggggttgtcc cccagtggca gcgttcacga aggcttgaga agtgtggttc atggtaccga 480
gcaaaagcag ca 492
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<210> 864

<211> 494

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169779

<400> 864

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gatatgtcat taaacacaat ttaaaattaa taattaaata tatatgactt agggttgggg 120
atttaactca gtggtagagc acttgccatg caagcgcaag gctctgggtt cggccccag 180
ctccaaaaaa aaaaaaaaaa tatatatata tatatatata tatatatata tatatatata 240
tatatacatc tgacttaccg gggataccag aatatgccac atcatgaagt cacctatcac 300
agaagcttct ggcgaataa gtacgattca aattttgatt tttaaagaca acaatttttc 360
acagtccttt tcccctttgt ccattcctgc cccattctct attttattga gttataaatg 420
cttaagcgaa tacctgttta tatatctcca aatcttttagc taaaaatgca cagctatacc 480
ctaacaaggg ttct 494
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<210> 865

<211> 557

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169947

<400> 865

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ccattttattg tatagttaga gtttcaatat cttttcattt gggaaaccaa aagataagag 60
aataaatgta cattcctact aaacttgccct ttgaaacttt accaatttaa atgatactat 120
attacaagat tcgtaaggat tgacacaaga aaggactgaa ggatgtaaga catggcccat 180
ggctggcaaa accggaaagg caatggatat atttcagcac ttcctatgtc ctcaatcacc 240
ttttagaanaa tccatcataa gccagaatgt acatggtaga tgctcctcag aaccacctca 300
agtgcgcaca cataactacc gcttaggttg cttcgaacta ggttcaacct ctgtggaacc 360
ccaagtgcct gggttgagaa ggtggctaaa cttaatgtaa tttatagcaa aaatatacat 420
cataattgta cctgcaactt ttagagacaa aagtgattaa cctggcactg acatccctct 480
atcaaagcc gggttaattga aaaattagaa aatatcacag caatataaca ggttggggat 540
cttaatagga aaagaac 557
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<210> 866

<211> 502

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170007

<400> 866

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atgcacgaca aaattccctt tattgacatg aatcacagtt acgaggtctt atccagcaga 60
aagggtgatt tgcagcaaca gaacgacaca cggagacgta aggatagaaa tatacacacg 120
tgccaatcac caaaccagct aacctcaacc aatcagatct ctggatgtgt ctttttgatc 180
atcaagtgct ttcagaagaa cagacacatc cggccgaggt tggcctctgg gatcttgagc 240
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acactcccca gccaggagg gctcagggt gatgcgttg gagggcagat ggtggagcga 420
catgtatgat ggagcaggtt agcatgtagt caagggtccag tcattcttca ggatcacctc 480
agagttttga gttttctaag aa 502
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<210> 867

<211> 520

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170038

<400> 867

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aaatgttaac acagcacaca tatgagttat ggcagaaatt acatgggtcat cttaatatag 120
ttagaaaaag cccatgtttc cctcaggat aaaatgttgg aagaattagg agaagaaaaa 180
tgtctttaca tattaaaggc tagatatgat gaacctggaa atgacatcat acttaatgaa 240
gaaagacaga gattttcttc taaagtcaga aatgaggtgt gtgatcactc ttgccattct 300
tagtgtagt ctaagaacct taaacatcag gatagagatg agacaagaca ttgaggaaag 360
caggtaaaga taaccatgta ttaagatgat gttaccacag tgaaagcccc tcctttgcat 420
gctaactgaa gttaaggatt tctagaaaaa taaagtttac acagtttcaa atgtctacaa 480
catgaaatat gaaggtacta ccagaatctc agcaaaactgg 520
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<210> 868

<211> 594

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170260

<400> 868

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aagcaatata atgcaaaggg aaaactgcaa caacaacaac acacacacac acacaaaatg 120
tgccctggaaa ggggtcaaagg gtcacggggg acaaatcact gtgatgtgga accaaaatac 180
atcgttaagtg tcattgacat ggtccaggag agatagacat ctgtatcagt cttccttaca 240
caatcatcat gaaaattgaa caataaagtt cttaagcgtg tacaaaaaaa ctgtcatggg 300
ctggttttaca cttctacaac agcttttaaag ttaactgtgg aactaaagaa aggctgcaga 360
catcgtcacc cagtactaag gtaggctcac agaattagac ccaaatgatt tgcaaaaact 420
caaatgaaaa cattatatat agcaacaatg tcaaagtcag gaaagaaaat cacttctgta 480
tttaaggatg gcagagatac acaatgaact ctgcctgttt gtaatgagat gaaaaaaagc 540
acaccagata gaacatgcag aatgtttccc caaacttaat gagaaatccc aaag 594
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<210> 869

<211> 635

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170313

<400> 869

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tcttttattta tatataacaa cagtacaaat tgtgtccttg gcttgcaaaa taggagtttc 60
atatttacia taggtacatg ataatatatt agataacaaa atcccgttt attggaacat 120
tttaaatact tcattttctt attatttcat aacacctgta aaaacaacaa aaccagacaa 180
ccagcattgt acttttctta aaatagatat aatacagatt ccagtgtgtc atggggaaaa 240
gtctgagtag gagaggatga ggagaggcag tttggctcaa ggccttcacg tgctgtata 300
cagagcttgt ccttttctct ccatacatt caggagcttt ggtcctgttt gatggggacc 360
acacttcctt atgcttggat gtcaaactgg agatcaagca tgtcaaatg atgaccttga 420
ctgaggctca aagaagcttc ttactccctt cattgggtta ctagggtaca ggcagcacat 480
agcagggagg aggcagctca gtctggggag atggtttggg agagactatc agtgactagt 540
aaacgaaagc aaagagctgg tggaatgata ggtagaaagc taaaatgaga gcaagactct 600
acaataactc accctcctgg catggcatgg cctgt 635
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<210> 870

<211> 542

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170327

<400> 870

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tcccacaacc atgttcattg ggccacttcc ttgtatttga gcagtcaatg tacttccagc 120
acacttgccc agcagtactt taagtccatt cttacagggg gaaaatggat ttcaataatt 180
tatacaaacg tgggttatgc tcaatcactg caactccagc tactgtacac aggaatgaga 240
aggttataga aaagtgccac agcaacagtg ccccaagaaa ggaaagaggg cacctttaa 300
aaaatggata aaatcaggcc aagggacttc agagggaatg gaacatacag gaaatgacaa 360
catttctttg caaaacaaat ggagcagcac tgctcttgat cagggtgcaag tgctgatcag 420
ttgtctcatg atatttgtac actgctcata aggttcaaaa tcgtatcctc acacacagat 480
cacctggcgc ttgactgga tttttgaaa tgcaagattt ctgaatgata aatcctcgtg 540
cc 542
```

<210> 871

<211> 638

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170385

<400> 871

```
atggttggtt ttttgaaaat tactggaatt ttatttgcct caggctctta tgacttgcaa 60
ccaaagacat tgtgcaaaga aagcaaagat taagtacact ttaggagaaa ggagaccata 120
cacatcggtg acacaggaga tcgggtggac aaaagaagcc atccgggaca ctctagacac 180
tgtaatatct aatagcgttg tcaataaaac gagaaccaa aaaaaaaaaa agtttcagca 240
atgtttacag tagacataaa tcttatacaa gtcaaaaagc tttttttgtt gttgttggtg 300
ttcttcagat catagagcat aaaatggaaa aatgtatatg taggtgatat ctaactactg 360
tacaattgtc actagtaaag tcgcttatat gtaccacagt gtaaaaacaa aaaacaaaaa 420
acaaacaaac aaacaaaaaa ccccaaaaac ccaacaatac tgaaacaaat gaaaatcttg 480
aaaatcgctt gatgaaaaat aaaataacca gtggctttga acggttcccc ctggccatcg 540
gcgctgcaga agatgaaaat cttcccatca gaacagatgg cagaaccgag cccaccaaac 600
```

tgcgaccaga ctcgaccac ctgtagaaat atacccctc

638

<210> 872

<211> 673

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170394

<400> 872

```
gctaagtaca cactttaatg aatatttata cacatttttg ttagtagagc tacatattta 60
tgggacaaat attagacact ttaacaggaa gtttctgcat taaaggctcg gaagtcttct 120
gctgtgcctt gttttgcaga cttagtaatt cttaaagaat ttacaaaatg aagccagtat 180
gttttagaaat gtgattgtct tcaatgaaac attaaaatgc accccaaacc cataaagcat 240
acaaaggtta aggagaacat tttattgttc aagaagcagg tttgatggag aggttataca 300
tcaacccctt tggctgggca gttggtaggg cagagttcaa attcagtcac tcatttctct 360
cataaattac tcaactgaaa aagaatgagt aatttactcc cattcccaga gattgagaca 420
cttgagctc ttcaggtggg cctactgtgt gcacaggccc ttgattgtaa atattgaaga 480
gagaacacat cgtctttcat agaagatagc tcaactgaaga tgtgctgtga tgaatagata 540
cataacttct aagacagcag tggaggaatt ttcattgtgt agagaattaa attctcagag 600
gtgaaaattg agcaaaccac caactattgc taggtgtcaa tcatgcagcc tgctggacgc 660
ccccatggaa gcc 673
```

<210> 873

<211> 608

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170426

<400> 873

```
aaatggaatt tatgtaaatt tttttattaa gtattgggat agatgacaaa ataatgtaac 60
tggaataaaca aatttactct gtttatatga ccactgtcct aagccattac aatagtttat 120
gacacgtggc aagtgtact cagacaataa cttaatccag cagaagaaca aaaacatcag 180
tagtactgag tgaatatatc tctctcatat atatatatat atatatatat gtatgtatat 240
atatagcttt gcacaatcag ggagcaaggc acataatgaa atgagtacat ttatgcagaa 300
gaaaataata gcaacaaggc tgaaagaaaa ccacaacttc atccttatca agctgtgcat 360
aatcctctga ataatgtcct ctttcaggta catgctttta aaaagtatat ttctacatta 420
tatctattta tgacaaaatt ctcacagcta gaagtcagag tgagccttga ctccattttt 480
ctttaaaaga aacagaagag gacaacccca gttaaagata ctgtgcaatt ctctttgaaa 540
acagtaaaca gtatttttac aacacttata acacgctaatt catttatttt acctatgcat 600
ctcaggaa 608
```

<210> 874

<211> 452

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170447

<400> 874

```
gcccggaat gttctttatt attctgtaca ttaatttggt tttttttcca cgaagagaac 60
aactttcaaa ttaaatccaa ggcagacaca gaggtctgaa tgatacttga acagtctgtg 120
acacagagaa catgggagtg aaacaatcct atttacacag atgtagagac agtagagcaa 180
```

```

ggaaaggcac cccccaact tcacattcac caaccagggc caggcatcct gcctgtgggg 240
caaagctgtg ggggcccat acctgcaaac acagggcaga gcaaccctct ttgccttctc 300
aatgctaccc aagtgtcaaa tcaatggtgc tggacctgac ttcttaaaca ccaagggttt 360
ctggcaggag atgaaaagaa aactcgacaa aagaggatct atgggacatg aagtaataac 420
aaagctctga aggctgaaa gctctatttc ta 452

```

<210> 875

<211> 500

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170617

<400> 875

```

cttaaaaaatc tcacaatttg taaatgtata tttttttctt taacataaaa gttttacaata 60
tacggtaaaa caaaaggctc aagaaaataa tctcaaaaaa aggaaaaaaa aaaagaaaag 120
aaaaagaaac ctgaaattct gaattaaagc tgaaggcggt ttttaaacc cgtgtgtgaa 180
ccagtgcagt gtttttattg tgctgatggg tcagagaaaa gaaatatatt taaaacctca 240
gtccaaacgc ggccttcgct gccctcccc ccaggtcga gtggccattt attttgcct 300
tagcgagtgt gtgattgtca cgagttcacc agtcccaat cctgccctgc tgccgtcccc 360
ctggctagcg cctgtaggga tggaagccct gcacgttgtg gttctgcca cgtccgaagc 420
cactgccacc agcgggggga cccctgagc ccggaacaga ggggccccca taggagggcg 480
gctgctggct ggggtctgaa 500

```

<210> 876

<211> 631

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170673

<400> 876

```

aagaaattta ataaatattc caaataaata tataataaaa ctatgaaata aaaataccaa 60
gaatgggcaa ctaattgcat gaggtcata cagaagcggg tgagtgaagt tcagtcagag 120
ttctttatga ctccaggacc aagaaaccac ctctctttg ctgctgctgc tgctgctgct 180
gttagttctt tgccgacatc ttatctagca ggggtgacct tcagaatgct gaaccaatcc 240
tcccacccat tcccaggcca atccttatgt gaacgcctac cgaagtctac tcccggttct 300
ctacaaagggt gagcagtcca ggcagcaacc ttctgtgccc ttaccccacc acctttcctt 360
ggtctaacca ctaccacag cctactattt catatcagac atagttaact actttttatt 420
tcattgggga aaaaaaagtc tgcataaaga accgaactgt ggttccttg aggaaaatgt 480
tggtgtcggg tgtggtggca cagcctctt taatcacatc tgataagtat gcacgcaccg 540
tgggtctgag gttggtcaag tctacatacg gagttgcaag gaaaaaaaac gaaccttcaa 600
aacatttac cactgcttga gtgaaacctg a 631

```

<210> 877

<211> 671

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170679

<220>

<221> misc_feature

<222> (1)..(671)

<223> n = a or c or g or t

<400> 877

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gaacacatgg atctttttat ttttgaaatc aaaggcaatt caaagggaca gtcactgaag 60
cttctgttga agatctacag agctggcccc attctgagat taaataatat tgcactttta 120
gaggacctaa tttctaggct tttcatccaa gaaggaaagt attgctttgt ttaggctttc 180
cttagactaa aagctcattg cagaaaaacta ctttaaaaaat caatagtgca gagtacaaca 240
tagtaaataa agtacctgct tgctttataa tctgaggaca ttttattgta aaactcttta 300
gcccataatt agtagaaagt gtagctgaca gtgctcattt cagtgggtcca ggatccgaag 360
gttcccagat acaatcttgt tctctaacac tgctcctggg gggatgtcaa ttctgtcacc 420
atgatttgca atgatgataa ctgttccctt taatgaaaca ttttttccaa atgttacatc 480
tcttgaaacc gtgaggtggt ccagttccaa catatcgggt atactttcaa accttcttag 540
ataatcttga accttggtta aagaactgcc taatttaacc aaaggtagtg tangaaattc 600
acgcttttca ctcatgggtca aagatcctgc gttaaggctg tanagggttg acatcacaag 660
taagagatct g 671
```

<210> 878

<211> 450

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170696

<400> 878

```
cagtttcttc tatcttttat tgtcacagca gaagttgtgt gagacaggag gtcacaccct 60
acacacaaga gtatggtctg tgtgggggtcc agttttgaat tacattccac caccggcatct 120
tcatgaggtg cttggtctcc taccaccagc atcacggggc acttgagggt catctacca 180
cctcgctcaa agttcaggtc tcggcggttg ttgtaactgt tccaatacag ttogatgttc 240
tccaggttgg gcgcgtgtgt gatgagactt ctatacttct gtatcaattc agaatttcca 300
gaaagctctt cttggctgaa aagggtgccca agaatactct ccggaatgga agacgtaagg 360
ccggttaact tgtgggtgac ccaatccatc cagcccttgg cgttgggatc aatgttgatg 420
agaacaagac cttcaacggt gttccgggtg 450
```

<210> 879

<211> 440

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170709

<400> 879

```
gtgaatgtaa aacattttaat ttaaaaatgt tgaacactac aatatataaa atagctatta 60
taaatgcaca tagtgtattc tatagctgcc aggtttactt ttttttttaa aggaaactgt 120
tacactgtgg ctaaaacttg tatcttcaac ctttgaaaaa gccacattc tatcacagt 180
atgtatggtt aaacacttgg atcaagtcac aaccagtttt attgcaaaag gaccctgtac 240
acatttatca attctagtac cttaatagct acccaacaag tcattaacat acagaaacat 300
gcatcatgag aagcaagaag tatcaccat cccttctgca tattagcaac ttgtcactcc 360
tgagccacag tgctcacatc actgaggtct gtgaacagtc actctttcca ttcaccctga 420
gtgaaagatg gaatgactta 440
```

<210> 880

<211> 712

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170751

<400> 880

```
cagaaagaat taaaacattt attgggcata aatatattac atatacacta cagatacagt 60
taggtattac atatagcata gtatttgcaa aatctataca ttaaaattga tatggcagtt 120
ttaatacaat gtatatgaaa taatctaaaa ttacaagac aggaaacata tgattatattt 180
tttttctcct aaagttgaaa agcttggaat gtatgtccaa cagtgaggta aaacattttg 240
tctttcaatt taaagaattg tgcaaggata acattcaaac acattctatt agggcacttg 300
tcaaatttga cacaataact gaatgactgt agccaaagag acagggtcag aaaatgccaa 360
catctcaagt gtgataagaa caaggcagat aatatgcaaa atagcctttt aaaaaagttt 420
tctttgtgaa cattttcttt gaggcagag ggcagtttgc ttcaggtgac tggaatttct 480
tgtgtcaggg atgcagttga tgtacagaga agcatcaggg catcagaaag ccattcactc 540
attcctacgt acggcaaagg gcacagagaa ggccaataga aagccattca ctcattccta 600
cgtacggcaa agggcacaga gaaggccaat agaacacttt attgtattgt tcctttgtaa 660
tggaatatata tatatagtta tatatccata gcacatatata agatctgtga ta 712
```

<210> 881

<211> 721

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170752

<400> 881

```
catggcttct catttatttc aatggctcag caaatatata caccacata catgtacata 60
tgaatcatac atacattagt agaacttaag gcacaaagaa aacagtaaaa cattaaaatt 120
cagaacttag ttaaagagag ccacttcctg tagctttggg gttttacaca cacgggcaca 180
gacttcaaca atcacatgaa gctaactgac actgattaca gtgaaagcct gacagtaaag 240
tgacaactca ggatgatgga atctgggaag gataagcgga tggggaagaa cttcacaggg 300
gcttctgaga ctgcgagtgt ctccactcca gtatgaatgc tggatgttcc tttctagata 360
gtaactatac agtctatgca tttttctaaa aatatatttc caaacctgga aaagggttaa 420
aaaaatggga tgaagtatat aaaaacattt ttgaaggaaa atcattacat aagattgtgt 480
gtgtgtgtgt gtgtgtgtgt gtgtgtaacg gtttgcttgg taagatttaa ggggactttt 540
gctaaagaag tcatacaccg aggtcaggct ccagaagtgt cctctgagct agtcattcta 600
gttttccatg agagagttct gataacaaca ccaattctta acacattagg taatatgttt 660
ttctaataca tttctatagg ttttatacga catgccatgg tgtgccaca catattctgc 720
a 721
```

<210> 882

<211> 671

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170763

<400> 882

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cacagacata tacacatttg ctacgtactc agagccgttt aggacacagt ggaaatgatt 60
accacttagg tgatgtacta aatgacaggt tccctgcctc ctacgtcctc tatgaaaact 120
cactacaata ccacagcatg ctggttcaac tgctaagttt acctttcact tagcagagta 180
agattgggtt gatatgtgac aaaccaaggc acggaccgtt tgggaaactt tctgcagcat 240
cacacaggaa cgaagcggtg cacctaagag ttcttcagtc aaatggccat tatccttttc 300
cagtctaatt actgtggctg ggataaggta aaatacacct cctagacttt cacatagacc 360
atgcccaaca cagcaccagc ctttcatcaa cagtcctcag tataagcact gtaccctaag 420
gattttctga ggtggatggt gaccctattg ttgataacct aatatggctc tattttaaat 480
```

```

cttccctctt tctttcctcc ctccctcccc tcttatactc cttecttctt ttcttgatgg 540
ttttagggat agaactcaag gccttgacca tgctaagcaa gctgtgtcac caagtacagc 600
tctaagcttt tttccccctt gaaaaatttc ataaatatgc ccagtaattt tcattttgaa 660
aatgtaaact a 671

```

```

<210> 883
<211> 618
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI170770

```

```

<400> 883
aggggccaaa ggtggctaatt ttaatatataat ttctcctttt ctagtacatg cacagaaagc 60
ctgtgcagct aagtcaacga gtacatgtat gtttgctgaa acacagcctc gtttcccacc 120
acacaaaggc ctgcctcgat gaagcagctg acaggcaagg gagctcacag gctgtgcttt 180
tgctcatcgg tctatttctc caaataacaat atcctgggtg cctatgatgg ctacgacatc 240
tgccagcatg tgtccttttag acatcttgctc caaacctgcc aggtgggcaa aaccggggagc 300
cttgatctta caccgataag gtcggctgct gccatcagat accaagtaca ccccaaactc 360
gcccttagga gcttcaatgg cgggtgatgt ggctcctgga ggaacttggg agccctcagt 420
atacagctta aagtgatgaa ttagtgactc catggacgctc ttcattctctg ctcgtttagg 480
tggggacact ttggcgatcat caaccttgat ctcccccggc ggcatcttgt tcagacactg 540
ttcgatgatt cgaagggaact ggcgcatctc ttccacacga cacagatacc tatcgtagca 600
gtccccctga gaaccaat 618

```

```

<210> 884
<211> 585
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI170773

```

```

<220>
<221> misc_feature
<222> (1)..(585)
<223> n = a or c or g or t

```

```

<400> 884
aattgaattc atgtttaata attacaggca ccgtgcccaa cccttcccc tgccctggca 60
gcagcagggg tgggtgcagg gctggggcat atgccccag cagecaggac ggcagtccca 120
agagtgattt cagaaaataa aaaaggaccc tagaggcagg cggtagtgcc cctccccccg 180
caaagacaca ccaaatttca agactttata tatatatctc tgtgccctgg ggggaggaga 240
gagacacttg gcagcatcct ggaggggggc cccaggcagc cccaagccat cctgcctcat 300
cagccacttt attagctcaa gacacatcgc actacaggca cccactgcca ctgccgccac 360
agccgcccgc gccccctgc agtccaggcg gctggctggc tgggcccacc acgtgtccat 420
ggctccaagt cccctgcccc acccgccatc agttgtgatc agactcctcg tcctcagcct 480
cacgaagcca attgaagaat gctgtgacag atttaagggc cacacccttg ccctgctgtt 540
cagcagggtc cttgctgctc tcccagctgt anaaggcgctc ttctt 585

```

```

<210> 885
<211> 629
<212> DNA
<213> Rattus norvegicus

```

```

<220>

```

<223> Genbank Accession No. AI170795

<400> 885

```
aggtaactttt tatttttcatt ccgcatgtgt cttacaaatt taaaaatttc ataaaatgaa 60
agatcacaga gaagtcatca aggtcaattt aagtatgggc acatttcttg gattatgtca 120
ttgctatcag agacacattg aattcaaaat attttagatg caatttgaca aacaaaacaa 180
gcaacgccaa aaaccttatg gtgagatttt aaaacagAAC attctttaat ttcttcccaa 240
gttactaagc agtctgatga cttcatttta ggaccacaac gtgatcactg cctctagtct 300
gcaggggaga tggatttcct cattgaaaca agaaaaacag ctcttttcca tgtgtgaaaa 360
actgttttct gtttggttgt tttgtccatt ttgtttactt actttttaag attctttcta 420
ctggaaaata actatgctta cttgctgatg tgtccgttca ggtctgagaa agaagaaaat 480
ctacaaatgg tccaaagatg aaaactttac tcaagtctta gatctgcttg agtttcttct 540
aacttgcaaa tatcaaatg aaaaatttag ttaaagcacc tgattcatgt ggagaaagta 600
atgaactgta ttttgatgct aacatatta                                629
```

<210> 886

<211> 662

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170820

<400> 886

```
agtataaata ctgtatttat taaatatact tacagtttat ttaaattgat ttacagaact 60
attcctgcat aagttatatt tcagacatcg atcaggatcat tgcctctggt aggacaaaca 120
atgatagtct cgacagaaca cgcagctcat tagcacagac tcagatttgc tcgtcggttac 180
tatctttgccc accaacttcc tgctaacagt cacgttttga catgggtcact gctctattga 240
gaagtttcaat tttgtgataa tttacttttt tcaaagaaat agaattccaa ttcttggttc 300
atattttggt ttataagcag atttttgcaa atttttttaa atgtaaaact gtgacagtct 360
ccagagaaac tgagtgttac aacttggtcca gagagagctg ctgtacagtg acaagaagcc 420
atgaacctac tctaaagtac aaacacgcac agcctcagcc agcctgccag tgcctccaag 480
acactcctgg ggagggcagt gctgggacgc ttccgtctgc tggctactct acccagagca 540
agggcactct cctgcctcgg aacgctggtg ccagtctctg ccgcagacac acacctggaa 600
tggaactctgt gagcgagtag cctatcgacc aagctacttc atctccactt gataatttaa 660
ta                                662
```

<210> 887

<211> 641

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170821

<400> 887

```
agttatatat aaagtattta ttttatgcac atatttacta caaatttaca gaaaatgaaa 60
caatgcagga catacagaat cccctcttag agagttcttt gaagcagggg gtttattgct 120
gcagttcaga gaacacaatc ttagacacag gacagtcaag atgagtccac gttagttaaa 180
gggcagcttt gttaaatggt tttgttctat tattcaaat taatggtgga tggaaattta 240
aatgttgctc atgaaataat ttaacctttt caaaatcttc taataaacag gtaaaaggca 300
cctctagtac ttttaagcatt tacagcaatc ccaacagttc catttcaatt ccattgctcc 360
tgtagcaaac gtggctgttg tgcatacaca gtgccaccag cactctccag caggagagac 420
tgcaggctcg ctctggtttg tgggtgtgggt ctgtgttact ggtgatggac tgggcccacc 480
actagtacag cactagtgtg acacgtctac cacagcataa aacctatcca gtcacctaca 540
ataaggactg tcaaattccc acacaatata tcattgttta acttgtagat tcagaagact 600
ttgggggtggt ttttaatttt tttaaaaaaa gtaatttagt a                                641
```


<210> 888
 <211> 426
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI170967

<400> 888
 tgccgctgat ttgattgaaa ctggcaaaaag tgttcatgat tagtggtgca gccatgagca 60
 gcttttttcta gaaaagcaca taggtgtaaa taaaaccgag cacacccatg agaaaaggca 120
 gtacctcagc agctccttaa gcaccttaga ggcattgaacc cttttcaaca tacgcttctt 180
 cacgggacag acacacccaa agttcataat gattgtgaat ggcattccta cggctcgcac 240
 gccacaatg gtgaatcagg cagacattac aaaactcagt ttccaaccgc gtcaggcgtc 300
 cacaatgagg cgaaagcagt gaaggcgggt ggcactgttt cccagcagcc acgctgaatc 360
 tcagtttctg gacaatactg gtaggtaata gtctgaagat gctctaaaag caccgatcct 420
 caccct 426

<210> 889
 <211> 602
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI171088

<400> 889
 gttataaata cacgtgtttt ttgttggtgc acagggcata ggtggtgctg tacagagctg 60
 gtataggcgt ggggctgaac gccacagaga tagacagaca cagagactga gtccaccag 120
 cagggcaggc caggcagcat tctggggcct gtaacacttg gttggtgggc aagagtcac 180
 tgggagtctg gtccaggact ggtggtccca gacagcttg aagctccttg gtccaatcca 240
 actgaggtct cgggtggtgt tacagtggca ctggattcag cttatgtcat tcagggcctt 300
 tcgggtgaac tctggcagca cgaaggccgc gcggtgcatg tctgagttat agtacttcag 360
 ctgcatctgc tctacctggg cctgtgtcag ctgctgcacg ggctcccga agttggtgct 420
 cgggtttttg ctacacagca tgaagccgat ctggccactg ggataggtgg gaatggtaca 480
 gtaggcatag ctccaccag ggaagagaga cttgcagaaa tgctcatct ccttgatgag 540
 gtccagggtgc agccactggc actcgccctg gcaacagagg atgccatctt ctttgaaggc 600
 tg 602

<210> 890
 <211> 534
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI171094

<400> 890
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 aaggacagca aatgaatgga accataaatt atcatcccgg gtaactaat ccagactcta 180
 aaaggtatgc atggtatgaa ctctgtttta gaggatttta gccacaatgt acaatggtac 240
 aatccacaga cccaacagg ctaaattaca aggaggacac aaggcacgat gcttgaaatc 300
 cactcacag ggggaagtaa gtcttcacag gcagattgag ggaggcaact gtgtttctta 360
 ccagtttgta tccttttatg tcttacgcgt tgactattcc acacaaagg gttaccacat 420
 tggtcacatt cacagggtcc ttctccagta tgtgttcttc aatgtatttg gagactatgg 480

tgatgtggaa aggctttacc acattgtcta cattcatagg gttagtctcc tgta 534

<210> 891

<211> 539

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171095

<400> 891

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tagacatcaa atctccacca ccaaaaagca gacagaaccc aagagggggc cgctcccat 120
tgctgtgtcc tcattgctgg ccaaatccca gcatgctagg ccgacttcca agcttctctc 180
tgtgtcctgc acagctgagc ttgaagcccc tgaggcctga catagggtaa acatcgaggc 240
ccccattcct cctcaccatt agatttggtta gttccaaggg ccagtgtggc gccacagaaa 300
atccactgtc agttcctggg ctgggtgagcc ttggggaggc gtttctgtag aagatcccaa 360
gccttttcca cctggcgctg tgtgacatgt gattcccaca aggtgcacag aaccacgtgg 420
ctctgtctta ccagctgctg cccactcatc tgggtctgca accggctttg agcggctgcc 480
tcactcagtc catcccttcc aacaatgcga cgtacagcct cagactcagg gatgacgac 539
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<210> 892

<211> 570

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171229

<400> 892

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tgataaaatt tttacttagc tataatatac attttcaaca gtttaaataa aaatttttcc 60
tcatgatgtt aagtgaatgt tattttcttt gagaatatct cttttttcat taaaataatt 120
tctgaaccac tctatatgct cgaccttctg tctaacgctc agatatgggt ttttcgagag 180
gccacaggtc accagctcca tgaacaggcg aattggctct tgcttgggga aatcctccag 240
gtgcttctcc aaaaatatat gtcctatggaa ctctgagcca tcatcgtaa gacctgcttc 300
attgttaact ggggaactccc agagagaagg tgctgcttct ggttcagggtg cttcgctcgtc 360
aaacgcctta acatcaaaaa tcgaaagtct tttccccttg aacaaacatt tctccttctc 420
gaaatcagct ggcttctcct ggctaagcga actgtccact tcttcgtcaa actgaatctg 480
gtgctgtggg cttgaactaa ctctcatcga aggggatttg gcaattttca tattcgatat 540
tatttgagtg aagctaaccc tgcgcttctg 570
```

<210> 893

<211> 575

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171231

<400> 893

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caggattaag tgtttatatt agttcagtta aaacaaacat acattgtttc attgaaactg 60
gcatagcact ccttgccaac aagccacagt ggctgtcag cctctacagt acagcggggg 120
catttacact atatacatc aaggagtcca cgtgacttcc attgaaatca catgacaagt 180
taccagatag ccgcgttgta cctactgcat ttgaaaatt tagacacctc atttaaagct 240
tttagtttga tatctgaact tgcgttgatg accaaccagt ctattgcaca tacaattaaa 300
acaagtattt ttcaatttta gtattatata caatgtcaat attgaatcct atgtacaagt 360
aatccgggga cctatatata atgtgaatcc atcaaaatgc agttaagaaa atttaggggg 420
```

aatatatacg cttgaaccca agaccaatt ccaacatggt atacagctta tttacaaata 480
 catatggaca atgtatgtac agtttaccat aaatattgaa aaatagggtta cctttaatgg 540
 atcaatgctg ctctataaat aacagtacag ttatt 575

<210> 894
 <211> 588
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI171262

<400> 894
 gagaattcat taaaattttt attttgaatt atgacctatt ctgaattcaa aaaaatctac 60
 tttggaaaac acctcattgg gtgttgactt actaataaaa agtaagtcac cactgtttga 120
 acataatata gaatacacaa taaattatat ttacatgcac tgaccagatt atcacacaca 180
 aggtaaaaaa atacagtatt ttatgtacat tcttaaagat ttacattttc acatagggtt 240
 ataaagttaa aaatttctctg tacaaaatct tccgtgtaca gagtgtacac atcttcgtcc 300
 ttatggctgt atcgccacac agaactgctt taaactagca ctacaacact ggagggtc 360
 cttcatattc acatcttggc acccatgtac aacacatcat gaaatgtgaa ttataaaaca 420
 attagaaagt aatcatgcag ctatcttaat acaagaaagt gagatgagct gatcagcact 480
 tatcacctcc atttctgttc gtatctgtgc cacttcctgc tgtgtatgcc tattccactt 540
 cctgttcgcg tttcacacag gtgcatgcaa aactagcaga ttatgaac 588

<210> 895
 <211> 547
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI171263

<400> 895
 gacagattag tcttttaata gaaaaatccc ctgcaaaaag tcaaaagcca catgtgcaac 60
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 aggtggcctg tacacaccta caaccacagc gtggtctcgt tcataaggct ctagtgtcaa 180
 ctgctcctga ggcttcatgt tctcttgctg catctttttc acttcagatg caaacacagc 240
 ttctgctgag gctggggaat caatgcagtt ggccttaatg gaaatcacia agtgtcctcc 300
 attccgcagg aagggtgtggg cattcagggc cacaattcgg gtttggctct gctggggccac 360
 atcggcaaag atgacatcca ccattgcaat aagcatgcgg tatttgtgtg ggtgccgagc 420
 attttcaatt acaggaataa tgttggctct cttcttggcc aagttgatga ggtcacggcc 480
 agagcgggtg gagaactcaa ctgcgtaaac cagaccatcc gggccaacaa tgtcagacac 540
 gtgggaa 547

<210> 896
 <211> 425
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI171305

<400> 896
 aagcattcat gtaatttatt ttccttaaat aattcgctac aatcctgcca caaattaaaa 60
 aaaaaattaa catggtattc acagagcaga attcttttagg acaatcaaaa tcccagagta 120
 cttagaataa attaacatca aattgggttt atattcagat agcctgattc tctcctctga 180
 aatgaaatgg agaccattgt aacctagggt gaacgaacac acttggttct ctgtatagac 240

atgaattctt tacataaaact caacaataat ttgaatcaag ttaggaatcc tgagaaagtc 300
 acccacctac aggccacgcg acatattgga aatgggtcac tgtgtgctct tccccggtct 360
 cagtgtttgt aacaagcatt tttcgggaca cttaagcaat ggtacagtcc tttgcctgac 420
 actgg 425

<210> 897
 <211> 397
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI171319

<400> 897
 gaacatgtta ctttttattt aaaagtgtta ctagccctgc ctggggctcc tatacaaaaa 60
 caacacacaa cccaaatgag gctgcttccc gtctctagac tcggggacag tgttgggggt 120
 tagcgagtgg aatgtgtgct gaaggagggc acccaggagg ctctacccc agtcctcagg 180
 atggcaccag ctgtcccggt gcctttctat ttaccacaga ggaaggaaag gcagtccttt 240
 gagatgctca gtagaagtcg agcatggatg gcccttgagg gtcccacgaa gggtcatttg 300
 ctcggtcatg gctgcagatg ttgcgagtgt cgccgcagcg acaaggatgg caccggatag 360
 cttagggagc caagcaccgc agcggctgcc accgcga 397

<210> 898
 <211> 531
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI171354

<400> 898
 caaagttaaa aatttttttg atttaaaatg cacttataaa atgtccacag aagacatgtc 60
 atttttctact gctatataaa tttattggga atgttattca catttattgt cacctaaaac 120
 atactgtaaa caatgggtta ttccctaaga caaatgcata cgtgattctc agcaatcatt 180
 ggtttgatta ttagtaggtt acaaggtcac atctctgttg aatgtcagt accgctgtag 240
 tgtgacaggc ttcagcgcac cattgcacac actgcttcag aacagtcacc accgggtctg 300
 gaccaggac gcaaagcacc ccctctgctt gaaacggcag catgaggttc aggtcaaggt 360
 cttccaaatc ccggacacgt cagtccgttt ccaaacttct gagttatggc tctgcagcag 420
 gtttagcata ttaaattcca agtgttctaa ctccctctat ttcaagtaac aatgaactct 480
 tgagggtcaa actcttttagg ttttaactga aagtaaccaa actttagaaa g 531

<210> 899
 <211> 632
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI171370

<400> 899
 tttttttttt ctttctaaaa tttttattct taaccactgg attcttttgc tttcgtttct 60
 ttgggacagt gtttttatca catggcgcag gctgtccttg aacatgacag ttccaatgca 120
 acttccagag tggagtaaca tctgtgtgct actatgtctg gctctgattg gatccttcag 180
 ctatctttga gtatcaggaa atttttctgc aaagagcttg gaaacaagca attttcaaac 240
 aaagccagca gaggggggtt caaacagca tgcactgtct taaaatgtgc tcacagggac 300
 agaataacag atacgattcc atgtgaagcc tctaacagta tatgttcac ttacacgtgt 360
 ttggaaagaa tacagttaca tgaatctgta agaaaaatca caagtggaaa tgaaaatcat 420

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ttccaagcta tattaggcag aatacttcca cattaatata tattgatatt atcaaacagt 480
agcagctcat tgtatgattt atatttcaat cccacaatac ttttggtcat ttgacctgtg 540
gtatacttgc ctggggagct tttaaaatca aaatatttta attagatctt aatggaagaa 600
aaaccattta catgatttaa aggaaatcac ct 632

```

```

<210> 900
<211> 496
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI171506

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<400> 900
atgctatatt aattttattac tagtgtgggt cttccattag cttcctacat agcagtgagg 60
acttttctcag cagcaggtac agtagctttt aaacagaatt cgtaaagaga ataatcacag 120
tgaaaacata aactgccaca gtaagtgaag caaacctgtc taggggtgaag ttcatacctaa 180
cttactactaa tctactccca tgagtctgtg ggctaaacaa aaatcacctt attctaagcg 240
tactgtgaat catcacaaaa gattctgact cttaaaaaatc atgaaaactt caagatctta 300
ttaataaagt taaaaattct agctgttggtg ttactgattg acttttggtct gtattttctg 360
gacttcttca ggccacgaat aacaatcagg taggatctgg tcataattag tgctgtacat 420
ctgggaggag acaaattctt ctttggtttg gggttcaaga taaacagtgg ccatcttttc 480
tttgtatgca tcttgc 496

```

```

<210> 901
<211> 495
<212> DNA
<213> Rattus norvegicus

```

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<220>
<223> Genbank Accession No. AI171583

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<220>
<221> misc_feature
<222> (1)..(495)
<223> n = a or c or g or t

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<400> 901
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gaggtgctga gaagcctcag ttcagtccct gaatgccagc tgcccaggag gggcgggcg 180
agggctcagg cagctgcagc agaggggtga gggacactgg agtccacagt gtcagcgccg 240
ccggcagaac ggttcttgtc aatcacttct cgaagtcctt tggcaaagtg gaggtcagcc 300
ccaacagtga cgaagcctgc atggttggtc accacctcat gcacgaagtt gataccctca 360
gggaggggga tctgcacccc acgccagata cgctcattca acanaggcat cactccgatt 420
tgcagcagcg tcttcagtgg ggcctgcagt gggatcagtg ccagagactc cagcgcagac 480
tgattggagt aaatt 495

```

```

<210> 902
<211> 631
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI171587

```

```

<400> 902

```

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atatatacaa caaatTTTTt attatgtact gaaaataaat tacaggaaat aacttttaaa 60
tgcaacagag gacaagtcac aataaaacat tcccattgaa ttctcttggg ggtgagattg 120
cagtgtctcaa ggaagataaa tatcacaat atatacaaac ttcaaactgt ctatgcattc 180
acacactgac atgagccaca gacattcctt tcacaggact gtacttatta gcctaccaca 240
gaaccagatt ttgccataaa ctacaaaact ttttaatacaa aattgtattt atatatattat 300
aattcatata catgccctac ctgtaatttt tagaaaataa aagctacaca ctgtacagac 360
actcttaact cacagctgta ggcaacattt ttggatggaa tttctcccc aataaaatta 420
atggcgtatt ttatgtacat gaaaggctaa actgcaaaga cagctcagtt tcccagataa 480
tgcattctccg ttcagggcag gtttacaat ttaaaaaggc aagacaatgt acacctcaga 540
attaccttct cagctacgag ttgtcatgtg atttctgtga agtttctgat acatgcattt 600
atgtaatact ggcattgaag gcagtaaagc a                                     631

```

<210> 903

<211> 515

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171611

<400> 903

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TTTTTTTTTT tgagagggtg tgtttattac gccgagcctt tgcactacgc atccacctac 60
agtcgcgtaaa caaatacagt acatttggaa gtaggaggct agcccatcag aagtggcaga 120
gaaacaattc tgttcagaca gtgcaacctc accacagcgc cctccttagg ccagctgtga 180
aaaacaccag aaggcaggct taggccccag ggggtgatct ccagagattc atcagaaact 240
gccgtggaga ggagcaaggc aagagcttac ttagttacat tcacagggtga agcttctaata 300
ccaagtgtcc ctagcgccac aagaaacagc aatcagcagg tggttacaga attaggtaac 360
tcagagtaaa gcctctggcc gtccgagcaa atgaggaatt tgccctgttt catcatgggt 420
ggactatgat aagaacatca gctgacttca ggggggcac agtcaggaag ggtcgtttca 480
tcctggccac atgtccacgg gtccacagaa agcaa                                     515

```

<210> 904

<211> 708

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171630

<220>

<221> misc_feature

<222> (1)..(708)

<223> n = a or c or g or t

<400> 904

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gaatctgaaa aataggcttt actttaacca gtggatttgt ctgacatcct atggcatacc 60
agatcacaa caagttcaca aatacacata cacagcagtc ttctcattcc cttgtcttcc 120
aatggagaaa ctgggtggcg gcagcatcgc accatggatg ccaggagctc ttctgccagc 180
tctagcttca agtccggggc ctggggcaca gtcctaacac agcatggcca catgtgcaaa 240
ggcatcctca atacaataac cagcctggc gttcaaacc agacgttgct actaaccatt 300
gtgaggggat gacgtggagc tggactgcat actgaggcgg tgaggcctgg ccagtccggc 360
tccttctggg ctccagatga tgcagggtcc taccctgccc cacagaactg catgtccctg 420
cactgataga gaatggagac accttgacct aaatacgaga cctgtttcgt ccaacactgg 480
aattggcttt acactttctt acatccaaca gaccaatcac attctcgtgc ttcattgtgt 540
tcagcagccg cagctccctg taggtccttt tggcgtgaat gatggactga aacgggtctc 600
acagcttctt cactgccaca cgatgtccc tctntgtatc aaaagcagca cacaccgagc 660
cgtaggctcc cgagcccacc ggggacaggt tctgggtatc ctcgggca                                     708

```

<210> 905
 <211> 617
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI171646

<400> 905
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 aggcaaaact ggataaaacc attaaaactg aaatacagtg cttcaagtga atcccatcac 120
 ctgggtgatgc tataagcagt ctctaagcca acaccagata ctagaaccac caatcttaaa 180
 aaaaaaacia aacaaaaaaa caaagaaagc agcagtctag ggcttccaaa gcacttcatg 240
 caagaataac tgcttgtaaa gcaacgggac ctgctccttc tctaagctcc ccttctgaa 300
 gcaggataac cctttttgca gggtaagtaa tcacagcact gaaacagagt gcctctcggc 360
 atctagtgtg atcccaaaga atggcatgaa ggcaaaccac gcattgcctg cgactgcaat 420
 gctgcccttg gaggtgact aaaatggagt taaaagtgtt aaagtgtgca ccacattgcc 480
 agcaatggga tgtgtcataa tatcagatgt cagaagagtt aagctaatat ttctctttaa 540
 agcacatctg aaatagaaaa atctttaata tacaccattt gtaaacaaaa ttgcacttga 600
 ttttgaatcc tcgtgcc 617

<210> 906
 <211> 684
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI171652

<400> 906
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 aacagatgtg gtatacagaa gatgaggctg ctgctggctt gttgttgaaa caccatgtga 120
 gtatactctc ctatgaaagg taagtaggaa aatgacttgg aatattctga tctgtcttca 180
 tacaggaata ttgatggaga gcaaaagagc ataatacaag gcagcagtc actctgaatg 240
 gacctgctgt cctctggctg taggccagca agtagcactg ccatcttcta gcttaagaac 300
 aaagctcagc agtctacggg aaataggcac ttacacaaaa gtttttaaaa caggagtgtt 360
 tgacacttga aggatttcat tccaaactct caattatata attacaaaaa aatccatgtt 420
 tcacgaaaat atcctaacc taacataaaa ttcagatcac ttaccacaaa gttagacaaa 480
 tgtataagga aacagaacag aaagcatatt tacaatttta gactacatga gacattgtga 540
 agaatcttta acaacactct acgtactttt acaaaccaca tttaaaatga ggaatctgta 600
 aatgatgtga gaaaggatcat agcgtgagaa ctctaacttt taaagtccaa agttatgttg 660
 aagattttta aagtaatgat gaaa 684

<210> 907
 <211> 502
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI171674

<400> 907
 aagctgcttg gtttaatttt tttttagcac ttgaaaaaaa atgtacagta gtttgaattc 60
 agtctttgca aacctctaca gaggtcaaag gtttcattca tccgtacaaa attagttaca 120
 aatttatatt tggcaatttc atcttagtaa cccgttttat cctattgcca ttgtcccaac 180
 cattgaaaaa gtttacaata atttacatag aaatatcttc aaagtgttta agaatagtga 240

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ttgttctctg ggatatgtac aggtggccta tacagtatat gtacaggtgg gagtcactat 300
agcacaaggt tcattgctgg aatatggctt tctagggaaa gtgcatattt ggccagagat 360
ggcaatactg tctagggatt caagggttac agatacttgg taaccacatc caaagctgaa 420
gtagaacgtg gccagaataa tttacaaaag taatataaaa atgatcaagt acacaagctt 480
gatccacgaa aagatatctt ga 502

```

```

<210> 908
<211> 508
<212> DNA
<213> Rattus norvegicus

```

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<220>
<223> Genbank Accession No. AI171684

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```

<220>
<221> misc_feature
<222> (1)..(508)
<223> n = a or c or g or t

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<400> 908
aaaatgtttc caaatTTaat taacagaata aatttacaaa accatgaagc tcaccacact 60
acaaggcaga agagtagacc atgcctgaaa ccccccaaaa gaaaatgtta tgattgtgac 120
tcaccgctga cccatcatca gagacagggc ccagatgatg aggggtgatg tgatggtgat 180
ggtgatagaa cagacacaaa ttcgagacaa taacgtgcag tctgcagaca cccactgtag 240
acagaaggag caggaaagag gaaatggaca gaaccgcgca ctgtggagac gaggtgaaag 300
ctggaggggg agggctgtgc ttcagataat acgtggtgaa caggaaaccc agagaggaag 360
gaatttcacg atcaaccgtt caataagaag gagaaagtaa gacctaacag tagcttcaag 420
atataaagta aaaacggaag aattagcttc ccagaataaa ttaacctctg gtcctctggg 480
cgcgggcggt cgngtagac tcggtca 508

```

```

<210> 909
<211> 452
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI171692

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<400> 909
gagggtccta ataacttaaa actttattag gaacagtagc aacatcctga ggtcacagga 60
gaagatgtag agaagccaca gaggcttggc aggggttaagg tggtagcggg cctgatattc 120
caccctttcc tgccccaggc agagaggcca gaaacaatca aaaccctaca ggcaacctac 180
agaggagtag gctgagaccc agaactggcc cccaacccaa tagtccagat ggacactggg 240
aaaggatggc ttcaaccccc aagacatggc ctcttttctg gaaacatgcg cagtcacaca 300
gctgggccct tcagtgccat cctgtgcta aggcatagct gaggcctgtg ttcgaggtgg 360
ggctgagggc agccttctca gggttggagc tctttccact tgcgcagtct ctaatccatg 420
gcctggaatg tggccttgtc cttgacaaaa ca 452

```

```

<210> 910
<211> 471
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI171726

```

```

<400> 910

```



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acttgagctc catagtatat tttttttctc attaaagggtt caaaacccaaa agcgggtttct 60
ctttgcagca aatatacatt aaaatagagt ctctgtacag ccaagggctc tgggccctgg 120
cttgcccat ggccctgcgc ctccctggcc aaacccaaaa ataatatag tgttattgct 180
ctgcagggcg tagaggcagt gctgtccccc atcccttgag gtgggagctg atagggggcc 240
ctggccaccc caggggtcca ggggctggag cctgcttgga gttattgctt caaggggggg 300
cactaatgcc caatgcaatg aggagaggag cgaaggggca gggcctttgc tttccaagcc 360
cccctctgct ctggagagga ggtcggagta agcagcagca aaagcatcac ccactgggag 420
actgtggtct ccatcccctt ccctccctga gatcagtttt tgccctctac a 471

```

<210> 911

<211> 431

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171727

<400> 911

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gaagtgaacc agcaagcctt taatggggat cacaggacgt cattcagatc ccaccggctt 60
tcgccccaca agggagaaga gtccttcatt attggatgtg gtagaagagt aactttgaga 120
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agtgcgatag gccgggaggt cagggcaggc agcatccagg cacagtgtgc tgagcaggca 360
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<210> 912

<211> 573

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171745

<400> 912

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aagactacac ttggtatttt cccttggttc tgttattctt gaaacttgta aagattcaaa 180
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gtgatccatg tcgggggtcg aagccagact tacaccgtcc agccattttc acaatcagca 480
tgacgagaag gatagtgtca aatatccaga ctggaataaa tatgaggaac cagttccagg 540
gtgccttctc atccagtttc aacaccaaca tga 573

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<210> 913

<211> 667

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171772

<400> 913

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agccagctgg tttacacagt gagttcctgg acagccaagg ctacacaggt tgtcccaaaa 120
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ggcatactct ttttaggcga caaatatctt tcagtcctta acatctcact cacctagcac 660
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<210> 914

<211> 534

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171795

<400> 914

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cactgcatgg taaaaacagc ttcattcatt tacaaaaaat attcctttga aactcataac 180
agtgcctgga aatttttgac ataagctttt tgcaaagaat attttaaaaa atgtaaagat 240
tcgattaacc aattagtgcg gtattaggaa agataataaa cattattagt aaagagggtta 300
cagtgattta taccagggtt agacagggtt caatgtagtc tcattaaata aatgttcagt 360
taagaaaata gttttgaaaa aaatcttata ttgaagccat gttttaattt tgttgaatca 420
gcttatataa atcaagtcaa gtttattcag tttaagaaaa taggactatg ctttcttata 480
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<210> 915

<211> 653

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171948

<400> 915

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ggaggggtgac tcagccaggc ttctgtcttc tgcagcaata atgaagggcc tcctgcactg 180
agcaggactc gatctcactt cgtagtgcac ttccgtcaca agaaggggtct cttgtgtaaa 240
gcaagccaac ttgtatttgt aactagtgcg taaaacacat gtctgctcac ctttcttct 300
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gcttttgctg tgttcattga tttggcctg ttcgtggatt ttggaggagc atatgggtata 480
gtattccacc cacaggataa ggctactgaa tgtgctatct gcaaaagagc tcacgtaata 540
ggaaccaacc caacaggctc accagaaaga aaggtagcga aatttctctg gacaaaatgc 600
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<210> 916

<211> 589

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171990

<400> 916

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acacagagta gacattacac atgaagaatc aggaggggtac actgctggaa ttaggctgcg 180
gtcagttttc tctgccactg acattgagaa ggcggagatg aagctctgag aagatgcagc 240
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tggcactctc aggccctggc acctggcctg aactcttcag ggctcccagt cactggcctg 360
tctctgaaaa gagtggggag gttggaggcc aggcctctct ccctaccgtg cctccctttt 420
tcacagtcag cactccaaac agtgggttct gcctcccctg gggcaccag accctcagct 480
ccattgtccc cacaggagct cgctgggaca cccagaccgg agtcattgct gaagcaaagc 540
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<210> 917

<211> 647

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI172041

<400> 917

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taataagtta tattcatatc tgagattggt taagctttct catggagaaa aagaaaccag 180
gcagcagcta gagctgcaac ccaagtttct tctgtctcat ccttaggcag ttgtactgtg 240
tggaccgagt gactggggcc aggtcttctt tctatgaaac agagtcttac tgtgcagccc 300
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ctcgttactg ggcagctgat gcacaatttc ttctttgtaa gatgccatgg cttcttcata 540
gagaacttga aaaatctcac actgaatatt atcttgtagt ttcttctcgt gataaccctt 600
tgtttcaagt cgtttgtaca atataccatt gtctgtcctt aacacga 647
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<210> 918

<211> 647

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI172056

<400> 918

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acggaatgaa ggtgttcacc ccagacagaa tgtacatgga cgatgcttga agactgcagc 180
ttttttccct gagagacgtg taagacaaac agaatttgct gagagccatc tttccaaaca 240
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cctgtgaata gcaccgtggg aaagattagt ctgctttccc aaagcatttt acaatttagt 480
aagtcaacag gggatcaaat gtcttacatc tacctgtgat ccttaataac agaaacagat 540
tggataatta accctgcata gttataactc ggatttggtc tactacaacc agtccacaca 600
cacaactggc tctgcatata cactagaact gatcatgaca aagtttt 647
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<210> 919
 <211> 660
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI172057

<400> 919
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 ctatagccta agagccttta gcaagtgacc gatcaatcac aacattacta tgatgctcat 180
 tatttaccag gtaaacctga aataaatcaa caaaataaaa caaggacaaa atccaagatc 240
 tgccaaacga cgactgtgtt tagtaatggg aaaaacactg aatctgagcc ggtccatctg 300
 aattcttgtc tttgtccttg gatggatgat ctgagaggac agccttggtt aagtctttca 360
 gtttaaattg acagagctgc ttttatgggt gtgtacagtc tttttctaac aacgcaaact 420
 tggcaaccaa ttcgacctgc atataccata taactcctgt gccctgtgtc atctcagtc 480
 tcaaattaac aaacatcgtg tggttcctta ccagacacaa actcgagaga catggtttca 540
 tgacagatta caaagtcacg gaagtcgaa gaaatatgag ttgacctcag acatccttct 600
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<210> 920
 <211> 630
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI172075

<400> 920
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 cacatcttgt gctggacctg gcataggaca cctccctcca ccagggccat aaaggccaag 180
 gccaggagtg agcaagtgcc ctgggtgaaga ggggtaagtg ccaggctccc tctagccct 240
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 ggggtgtctc tggatggcag agtggacagg agtaaaactg caagacagca ggtcctcctg 360
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 agcctttgct ttgtttgctg gagtggggat tctgcaaagg acagctcact ctgaacacaa 480
 agtagccata ggacactttc ctatattcag tgtggcaagg gacaactgga ggggtgctact 540
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<210> 921
 <211> 585
 <212> DNA
 <213> Rattus norvegicus

<220>
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<400> 921
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 aaaaaagtca gctgcagcca gggctctctag tgtcagccat ttttcaaaga ttgtagttgg 180
 ggttctttcg aagaatgaca aagccttcca gaattggggg gacagggaga aactcctcag 240
 tggccagctc cgcccgttcc ccatgggcca acagcactgg agttgtgtga gtctggaacc 300

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ccgtgatcgt tttgggcttc ccagcctggc ccaccacatc cactgcctga cccacgcgga 360
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cggccaccag cccatacagt acatagttag atttccctag aatgatgttt cgcacatcca 480
ggaaagaaac aagcacggtg agcagccccg ccacagccac ttgactcatg agctgccggt 540
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<210> 922

<211> 696

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI172189

<400> 922

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acagattatc aaatataata gagaatgcaa tttagtgtt tttgtcacia tatcaaaaat 180
aagcaatttt ctcaaagtta tcaaaagtgc cccactcaaa atctttttct taatcaagta 240
aaactacctg ctattgtgca tgtgtgttaa aaattaaaac ggaaaccatc agtgctatta 300
cacagagaaa ccctgtcttg aaaaacaaaa caaaacaaaa aaaaaaaagg aaaaagggga 360
aaaaaggaaa actttatata ttggatgtca ttttaagtgt taaccaagca aacatgccta 420
acacagacag ctacattct tggatgaaa gtcacaccac agaatatgaa tgttataaca 480
cgacttgtat gtaccaaata aagcaaataa aacctatcat ttagtatgtc tgcttgttg 540
cttttggtca actagtcggc agacttaacg ttgtactgct tcactccagt agtctacctc 600
gtgaggttag gttctgtggt tcacgtcaat tgtgggacga cagtccctcat gagagctgag 660
cgtttttgca ggaaaacagc tttcatttcc aataca 696

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<210> 923

<211> 607

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI172274

<400> 923

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gaatccggct ccggacacta agtcagataa acctggctgg atttattctg tgagaggaaa 180
tgaaggcgac cttactgtt ccatccacag tgatcagagc caatgacaca gacccaaaat 240
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aggctgccat cccttcacgc cggctcctgg ttgggatgtt ctgggcatag cacatatgtt 540
caatggccat ccctgatgag atgtccacct ccattcctct gtcgatggca actttgcccc 600
tcgtgcc 607

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<210> 924

<211> 668

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI172281

<400> 924
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tgagagcaaac aactgcaatt aagaaaaaaa gtcttgatat acaaggggaa ctatgtgttt 180
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taaaagtaat aatttttagcc ctgcctatct ccagtcttgg aatatcaaca gaagcatagt 420
acctttcaac acctaaaaag aataaacaaa aacaggaaat ccatcccaac ttgtagagat 480
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tgggcaac 668

<210> 925
<211> 634
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI172285

<400> 925
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gttaattccg gcaagagtct tgccaatctg tttgaaagtc acccctgacc tcatttcagt 180
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aaaaagcgga gagtccagcg ccgcccctcg tgcc 634

<210> 926
<211> 730
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI172302

<400> 926
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gaaggtaact aagaccaga cagtatgagt cctgggtgac ctgctaaagt gctttctctc 180
cctggtctct gtttggtcct aagaatcaat ccagcaccac aatacacttt attcctttca 240
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cggggcttga 730

<210> 927
 <211> 624
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI172328

<400> 927
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 aacaaaatta ttcttttgag ccgggggtctc ctgtagcctg agttgggtgca gaacttctga 180
 ctttattttcc aaagtgctag gcttacaggc aggaatcgcc atgccttatt taggagaaaa 240
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 gaagcttgga caaccccccc ccccccaac attctgtagc atcccaggca gacttcagcc 540
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<210> 928
 <211> 567
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI172405

<400> 928
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 cctattgatg gagtagttcc atttataaag ttttatacat cagaaaagctt tgaatttgac 180
 caggctgtcc attaatcatc tctgaaaaag tggcatttca ttttagctct attttacagc 240
 attaaaaagc ttatgcatca ggctcgcttc cgaaacattg ttctctgcac aatggcgctg 300
 ggcagacagc tcttcatcca ccaggtcag agtcacgtct gagagtttct gctacatacc 360
 cgtgacagcc cacctcaccg actgctcacc ctgacagaca gcccaccttc tcggtcagtt 420
 cacactgccg gttcacacca gcagttgtcc tttgtagatg gcattagagt atcagggtcag 480
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<210> 929
 <211> 651
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI172417

<400> 929
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 ttataaatca tgcttgctcc agttctacaa ggacccacc acagtctttg ggatggagga 180
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 gtttcttcag atccatcaca gctgcattta tgttgtccac ctcgatgcag acgtgatgca 300
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gaagcagttc catcttcgta tttcccaggt tgacaaaaac cacagatact ccatgttccg 420
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tttccaaatc tggtagtgct atggccacat gattgagtcg acccagcttc cacacaggac 540
tggatgcttg atgctgggac ggtgatgtgg aaaaacttct ccctgctgca actggagtct 600
ggactctgga gaaaagccct gtagcgcctg cagccaacgc agcggccttt a 651

<210> 930

<211> 534

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI172471

<400> 930

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gaggctacct gaggggaagg aagcacaaaa ggaacccgct gcagactcag ggcaaaggga 180
atgccatcgg tgctgggacc tgtgagcact acaggaagaa actcgagcat ggtgggactg 240
gctccaggca cacaggcgta gggcaagagg gttggacacg aagccacaaa gctacttggg 300
ttcctccttc ttctcgtttg cctttttctg cttctgctgc atgatctccg agtccctctg 360
cttgcgggcg gcagcagaaa gcccatcatc tcggcgcttt cccttaaccg agtcgctctg 420
cttcttcatt ttcttctggc gggcgagctc tcgctgggta ccgcgggtca tggcgacggc 480
agcggctcca acctgcctcc gttgcgtccc ctcgctcggtg ccgaccctcg tgcc 534

<210> 931

<211> 606

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI172491

<400> 931

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gtatgcaaaa cacactgact ggctgaggtg aagcgcaccg ttctgcctc gtgtccactg 120
tgagggaat tgctcacatg ctttaaaaaa catctccatc atatatatat atatgtaaaa 180
aaataatccc ctagaaaggc caccagagag gggggctaca acgcccaccc tttaccatgt 240
acggagcacc cactggagct gggtagtgta atgtccacc ctagtcttg cccaaagctc 300
tgtccaggtt gctcttaatg gtgtccagga agtctgtggt gttcaggaag tgctcattca 360
gcttcacatt gctgaggcca tggatgcagc cagccaggtc cttggtcata gctccgctct 420
ccacagtctg cagcacacc ttctccagag tctgtgcaaa cctgatgagg tccgtggtcc 480
catccagctt ccctcgatgc tccaaacccc gtgtccaggc aaagatgctg gcaatagggt 540
tggtagtggt gggccggccc ttctggtggt ctcggtagtg gcgggtgact gtcccgtgag 600
cagcct 606

<210> 932

<211> 649

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI175033

<400> 932

cattggcatt aaaagtgttt attgggaata tcatccaatc tatacaagtt atatacaagg 60
catgaaaatg gcaaacagca caaaatacga ttgaggtata agctaagagc acagtatgtc 120


```

atgtttcaat aaatataatc caaaatttgt aaactaagta accagataga tgagtcattt 180
tttctagtaa aaccatataa aatatttatt tcatgtgagg tagaggacag ttttgtgtgt 240
cgtgtaatgc aaccaaccac agcaatttta atcataaaac tatatgcact ggcaaaatta 300
tcaatcgagt tatgctcaat gtacctaatg tgtttccgta gttgcagaag ggaccattca 360
catactgcct tcccagggtta gaaactgcgg ggtaattgaa ctattacact gccttaaaat 420
tactacggga agtccttcca gcagaaaagc taatggtgac tacatgtatc acaaactcac 480
aactcaaaag gtgtcctaga tttagcaatt attctaattg ggtgttctca tgagaattac 540
tttaatgtgc tgtgttttct ttattttcaa gtgaggtatc ttatattgaa gaaaaaatct 600
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<210> 933

<211> 437

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI175294

<400> 933

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actttgaaac acctatttat atccatttta atgagaatta aaagatacaa tgggtcaaca 60
acattaaaaa aaaacctatt ggggtaagac aggagaatca gatcttgttt atagcgtacg 120
ctttacaaga gactttgaca ttgtagtgtt agttcatcgc tgcccactga acgatccccg 180
tgtgcatcgt ctttgtcttt ggtgtcactg gtaccaataa acacagttca cggcttttaa 240
acctaatac actaactagg aaaaagtaaa tcaacgtcac ctttttcaaa attaaatata 300
aggactaatt tttgtctcat ggtccacaat acctggaaca tcatgccaaa atattaaggg 360
ttaaaggga cattattctt ctctaattgc accaaaatgt ggctactgta tgctggtgtg 420
atgacaacca gtgggca 437

```

<210> 934

<211> 450

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI175338

<400> 934

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ttacacaaga gatttacatt acaggtactg tcttctgtac tcttcccaat gttgtatttc 60
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ttgtctttga ggcagggtct ccaggaaacc aggctggcct caaacttgct gtatttgagg 180
atgaccttag actcctgatc ctctctgttt ttcctccaag cttggggggt taagagccat 240
gtactgtgtt ggacctagta gtgttagtaa caggccataa gtctccgttc actagccttt 300
gggcgtctcc aactgctgtc atagctggct ggtcactctg gcctgtgagt cccagggtgc 360
cagtcctggg tatcaacaaa gaaaacaggg tcttttctaa agcccaacct gggatccct 420
caggtcttca gttctgcca attacatgga 450

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<210> 935

<211> 512

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI175423

<400> 935

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agcgggccac accatttatt aatgcggttt acatcagagc tgaacccgc agttcccaag 60
cacactttgt ttgcatctct cagtcctct gtctgcagag gaccattcag tgaatgcata 120

```

```

caggctataa ttattgaaaa tagagtgcag tgaaatgagt taaatataat ttaggcacac 180
attgattatg aaaataggta tctctcaata caatacttct ctgtcttggg aaaaataata 240
acacaaagaa aataattcat tttcaaaatt gctttccttt ccctgtaaag gggcgctctc 300
ctccccgtgt aagcccttta ctgtgaagga aagctttgca tatgtagata taagaataag 360
ctacagagta atgaagacaa gccactctcc tgaaggagac aaggatcatc gtaaggattc 420
attgcctcaa gctgaccagc ctgtaggatt gagaacccat ttggacacag cttcttccct 480
gctcttggga aacacataag gacactggga ca 512

```

<210> 936

<211> 665

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175475

<400> 936

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cattttaaac gaaatatcaa catatttatt aggctgctcg acagtgaaca tgtaatcact 60
ttcttcatgg agggagaata caccgcacct tgttgtggga ggaggaggat gagggtcca 120
caagaactcc ccatttacca aggagaggct gtttctgct agcactgtct ctgctgtacg 180
ctccagccaa acagccatga tttcccaga atcccttga gctgttattg cctcagatat 240
gggagaatat aaggttacac acgtcaaaaa cacataggac attaataaat ggcacctgga 300
caataggcct aacattatca aatttttttc aaatgataag ggggtggagg gactgctacc 360
caaagaaagt tcctcagtca cagtagcatt tagagagatc ttacatcaaa agcacaaggg 420
accagtaaat atctactatc cctggcgtaa gtttctcctg gttcttcttg ttgctaaatg 480
gtgacgttct gcctttcacc tgtcttagct atcatttcaa ttaaaaaggg aaactaaaaa 540
atggtagaag aggacgagga gatggtgaaa aacaaccctg ttcagacaaa gataaaaaa 600
caaatcaga tgtagcaca tataatagaa actggctgaa aacagtacac gctaacagac 660
atgat 665

```

<210> 937

<211> 644

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175486

<400> 937

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attatgaatg acattttatt cagtcatttt ctttacaact gaaactctgg gaattcaaag 60
ttaacatcct tgctgtgag cttctgtac acgccagaaa aagtttcgac cttatgctcc 120
acgttgttct gctgtgcttt gtctaaatga acttttatga gccggctgcc atccagtttc 180
acacggatcc tcttgcccac aatttcactt gggaagacca aatcctcaag gatggcgctc 240
tgactgctg tcagggtgct gcttctgggg cgcttttgct tatttttcgt acggcttttt 300
cgggttggtc tgggcagaat cctcctctga gcaatgaaga ctacgtgttt cccactgaac 360
ttttctcca attcacgaac tagccggact tggattttct ggaaagattt cagctgagga 420
actggtacaa aaattatgat ggcttttcga ccaccacga cttcgatttc ctttgccgcg 480
gtgatgttga gttccgcag ctgcgccttc agatccgagt tcatctccag ctcgagcagc 540
gcctgagaga tgccagactc gaactcgctc ggcttctcgc cattgggctt cacaatcttg 600
gcgctcgagc tgaacatggc ttcgtcctta cggagcctcg tgcc 644

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<210> 938

<211> 597

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175508

<400> 938

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agaaacaaag catcaggctt tattttgtta ttacttgtaa tacagggtatt gtactgtaga 60
catctgttag tcttgcaatt cattcggcca atacacagaa atgaaaagga gcaggaactc 120
atcacaagcc ctggctggca cctccaacc caacacacct tgtccctttc accctcacag 180
cctctccccg agacaagcaa acctaagtcc tttcccaagc acaacaccca agtggtcctt 240
tcccagtgga cagtgggata gaaaagccag cccaatccac agcaaggagg cagtgtgggc 300
tggcaaggag ccaaactctg gtcaggaaaa aacaaatgat gtaaaaatat gtgaatattt 360
tctatcatag aatgaaaaac tgatctgcat ctaaaagtgc aagaggcgag gtgactgagc 420
ccttcaccag acgccgcgga agtgcacagg ccgtgggtta acttggtgaa ggaggctagg 480
gtgtgtttac gctgacatag aaaattataa attacactga attagtatcc ataactacta 540
tatacacaca aaccagttct aaaatccact gggtttacaag tgaaaacctt acaagggt 597
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<210> 939

<211> 620

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI175513

<400> 939

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ataccaaact gttaaattctt ttattaacag gcattataaa cagataatac taaacttatt 60
taaaaacccat gagtgccaca ccagtgaata tacagctcat gaataactta aaatgtattt 120
cccattttaa aaggcaacac atagcataca aaaacctata ctaaacaaat aagctataat 180
atggatacat gattgatgtg tctaaaatga tatatatata gtacataatt gttaattatg 240
tgatcagtag attgttctac atgattcctt catgcttcac tttcccaga aactgaattc 300
tgaacttctt cttctaaaat tggtaacaatc aggttatcct tcgacatcaa attatatttc 360
atcacaaatt tggtaaacccg gtgacataaa aatgtttcat tttcatattc atcaaatatc 420
tgccggtgat gaaaataggc atgtgagaat attctgtaaa tcctacggca cactgatcct 480
agttttgcta cagatgattc ttttatgcta accctgctgg gaaaatatatt attgctattc 540
agaagacatg cagcaccatc cagtgtgtgt cttgtataat ctatggcagg acactctttt 600
ggagttttat gagctgcaca 620
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<210> 940

<211> 563

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI175566

<400> 940

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agaagtttcc actagcagac ttgagatctt agcacctttg agaagacagt taagacaact 120
ggtactgcct gccttggatg acagggtggc gctcatctgc ctagtgtccg tcgtgtgggt 180
cctgtggcca gggctatttg gtttatttct ctacattttg ggagtgcctc agaacaactt 240
aaagaggagg aaggatcccg cccaacatag ctgggtggtaa gatggactag aaacgctgga 300
accggaggct gaggcagtca ggcggtcaga tggacagtcc gaaggcactg acgatgcagt 360
acatggtctt gttctcccat cggactgtgc agctcccgtc cgtggagctg tcccagaagc 420
aggaacttgc ggtgtgtaac ccagcaccat tcttctgcat gatcacacag gtcacaatgt 480
atttaaatgg tttcccagc ttggtgagtt ggctcaaagt ctgttctaca acattagtgg 540
tccactgggt gactttgctg tgc 563
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<210> 941

<211> 605

<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI175590

<400> 941
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agtagtcatt ttacatctaa ggaataaaaa ccatttttaa aaaatacaaa gagtgaagg 120
atttttaagc aagtttacat ttcttttggc tatgggtctg aacaattcat ctcatgatat 180
cttatcaca tgtgcaaag catttcacag cacctgtgac aatcatcaag ttaactctta 240
agcgtatcca ctgtcagtat ctcttcagag gaaaccgatc tgccttctat gaaaagctcc 300
atggtacatc tcagcatcgc acaaggccac cagtcaccgc ccctcacagg aatcgaaaaa 360
gttagttgga aataagtcca cataagaatt taatatctaa aagggtgaaat gctccttgta 420
ttaatgttag caagatcttt actttttcat cactaagaaa cactttaata gtttttagagc 480
aaaagctggt aaagagtcta gggagctaaa accgtacccc tgagggtcaag cttacagata 540
aatcttttgt aagtacttct caaaatatcc tccctcccat ccccaaattc tgtattgttt 600
cttac 605

<210> 942
<211> 446
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI175635

<400> 942
aatttggttaa aaatatatct ctcatagaaa tgcattcttt tgaccagcag gattttacta 60
aacatttttt aagtacattt caataggatt aatcattatc acagtctttt aatgtcaatg 120
aaaagaatga cttatggctt aaaatagatt tttttttaac ctgacaagaa aaatgcagca 180
gacataaaat ctgagaggag aaaatgaggt acatgtagcc aggtgttctc agtgctttta 240
tacttcattt tcaaaagtaa acacagtact aatcatcaat tcaattccag tgaataacaa 300
cctaaaactg tattaattaa tcggtgttga agtccaaaac caaatgacct ttcaacagta 360
ttaccaagta ggtaagtcca cgctagaagc taattacaat gtgaattctg accaaactaa 420
agtgggtctg ttacatgatg gcacta 446

<210> 943
<211> 464
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI175675

<400> 943
actcaggggt ctttttcttg cctaagtta gaacctctgc gatttgctct acattcacag 60
acatacaagc atttacaaaa aaggggtcgg tgggatcata agaaaaagcc cattgtttct 120
cgggtggttc agtgatagtc cagatgggaa gtcttcacat aagtgaggcc cacacggccc 180
caggaacgac taggtgttct gacaccagc gcacacagca aggaaatgca tcaattttat 240
ttacagttca gaagctactt aaatagtctg gccaggacag aagcctggga ttcaaatcag 300
cccttatccc tctcatgcc cacagtcagc ccaacactgc ctccgttctt tgggccagca 360
caggcaggtg ccacctttgc tgcaatgggc acctggagta gtcagacgc ttgaccactc 420
cagcccagac aagagttggg tccagcccct ctgggagttc atct 464

<210> 944
<211> 506

<212> DNA
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175790

<400> 944

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caaaaagaga atcttttaaat aaaaattatc cataaaaatc ctaataaatt tcaaagaaca 60
agatattcct tagtacattt ataaaagaac gtctgggtcct ttacaaaaa tctctcattt 120
aatttaaatt cagttcatat ttacagatta aacatgaaat atctatgggc gccaaagcata 180
ttgcacatca cagagagaga gagaaacatt tgtgcatctc agtaagtttg cccagagtgt 240
ccaactctag acttttttatt ttgtagaacac acatttactt tttgtgcgtg taataaataa 300
aaacgcagct tgtgggatgc tacttaacac taaaacaaaa tatcctgaaa aatattattt 360
gtttccctct cagagagaga gaagcagtga aacagtttca cagggtacttg atatctgttg 420
gttattcgca tccaaattca agggggacct taacctgagc cccactgagt cacagccaca 480
aggcccacac ccattattgg ctccaa 506
```

<210> 945

<211> 573

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175812

<400> 945

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ctcagaaatt tactttattt ggtgagcaac aggatataag aacaatggta agttataaag 60
gacaggaaca aatcagtga aactggtaca gattttgcaa aactaaatga cttcttctca 120
gcctgcaagt gtgtgggccc acataaagaa ggaacttatt tatgacatta aatgcacaag 180
aaaaatatgg gatagttaac agttcgtttg gctgaggaaa aatgtcattt cttgcatcct 240
gctgcttgct agtggaattg gaccaaaggc ggtagttaag gaaggaataa atactaaaga 300
atgtgctaaa caaatggcca gcacagagtt ttcatttggt ccttggaagg cccaagctga 360
aacgcaaagt catctatgat cacaagcaca gtaaacttca ggagagggtc gcaggagcaa 420
gaaaatcaag cttgaaactt ctgatttgcc aacgaagaga aagaacatga cgttttcagg 480
gagaaccaac ctcaacaagt cgaatcgtgg ctgtagggga gagtgagggt ttgcagctag 540
agactttaaa gaacagtgtg tgattaacca tgc 573
```

<210> 946

<211> 382

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175833

<400> 946

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gaagagaagc agggacaggc tcctctgcct gttgaggctg ggctgggcag acaccacaca 60
gggactgggg atagggaggg gaggcacagg agacagctcc caactgcgtg aacttggtcc 120
cacgtttgtc ctggttgggt ccagggaggg cctgcccagg gatggtggca ccaagaacca 180
gggcagaggc atcagcagca caccacaggc ctcctttggg tgggtcacca ggatggggat 240
ggcagacaag gcaaggacgg ggagaccaca tgctcatgca gacagggagt taagagttag 300
cgacggcccc cagtacacgt tccacatggt aaggcatcat ggtagacag tgactgacag 360
tgatggatga cctgcccatt ga 382
```

<210> 947

<211> 523

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175871

<400> 947

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aagttttgtg agagctttta tggcacaaaa tgtttatagc tacaagttac atgtgttctg 60
taaactgaaa ggaatgacgc cagtgtctgac gaagagacag acgaaggatg catgtcactc 120
tggctccatt aataccagga ggtccaacaa acgcttcact gtgagattcg tctcgcgggc 180
tgtctccatt tcaactcttta ctgcaattga gtgactcact gtgctgtctc tgtgccgctt 240
ttctcttgac ctacaaacat ctgagccagg tttcaataaa cttagaacga agcctgcttt 300
tcatcccaaa ttgtaaacag gaataaagct ttttaaacct tatcttaaat ttcaactctg 360
ttgaatcctg ctttgtgata ggacaatctg ttttcaacta acaagaatct gtgtaggagc 420
atgaacatcc tgtatgttgg aaccgcaaat cgacatcgta catgtcact gatggacagt 480
tgctctggga catattccat gattttattg atactttcaa aaa 523
```

<210> 948

<211> 621

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175997

<400> 948

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agtctttaaa accattttac tttattgcat taggaaaaaa ttaggatgtg caaagtaaga 60
gaggcacaaa aataagcctt ccaagtattt ttggttgaac ttgtctcttg agattgtcag 120
actagaacat atacatacag acatacatag agaaagttat gattaaaaat ctaatacacc 180
ttaattttta atgtattgca gataaaactg taaagaaaca agaaagaaca ttatagagaa 240
ttaaaatata tatcaagaag ttcttcctga acgtgagaat tgaaagaccg tggggacgag 300
ccatctatta ttagggaaac tttagcagaa ggaaatacct ctccacctgg agtggatcgc 360
catgggtctca ttctgaggct aggacactga atgcatgggt gtctgaagct tcttcataat 420
tcacaattga ggaaatatta cagatattta ttactgaaga ttatttaata ctgccagg 480
gtacaagaat acatacatag aggtataaat atacacatgc atatatactg tggatgtgaa 540
ggtgcatgtg tggttgctca aatgtgtggg cacatgaaca tttgtgtttg catgcatctt 600
gagctcaaag gatggatagc c 621
```

<210> 949

<211> 574

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176002

<400> 949

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aggaatcaat caaaagtttt gtcatttatt taaaaaaaat aaaaaataaa agggttttaa 60
agcttcaatt agttccagca acaccagtc cccaatgcc caggcaaggg ccctgtcttt 120
ggccagaagg cattgggagg aagaaggaag tctctgggtc aacctcagc acggccagg 180
gaccttctgg ctgtagcaca gtgaaggcag ggacaccagg cttaaagatg cccctttct 240
gccatgctat tttctccact gtatctccta gcagactggg gtggtcaatg ccaagagagg 300
agactccaca caccactggc tttctgatga tgttgggtgca gtcaaaagcc ccaccaatgc 360
ccacttccac cacggccagg tccaccttct cttggaggaa gacatggaaa gccatgagt 420
tgaggaagcg gaagtaagag ggcattggaa tgtggctgtc atccttgaat tcctccagct 480
gctgatagaa gtgccagaag tacttggtta agagtccggg gctgatgggc ttcccgttga 540
ttcgaatccg ctcacgcacc tgcaccaggt gggg 574
```

<210> 950
<211> 549
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176031

<400> 950
gctgttccaa gcatttattt tttgagtacg agcagagagt agggtagcta aacgggggtgt 60
tagtaacatg catgctgctt ttggtagagg atcagaagtg gggtttgggt ttgggcagca 120
tcagagtggg gaacacattt gtagaaggaa gaatatgaag gggtagctat aggagcagct 180
gccaaaaatg gggatccccg tttcccttca ccccatgttt cctggatcct ttcctttctc 240
ctttaaatta aaagactttc ttgagacagc ttgggtcaga ggttggaagg gttcaaagtc 300
acaggtggaa gcagtttgct ccggccagct cgtacacttc atcatcacag tttcgaggct 360
gctccatgcg atagccttga ggcagtttct cgtagagctc agcacaggtc atgccacagt 420
agggcgtgcc tccaaggctc actatctccc agaggaggac cccaaatgac cagacgtcac 480
tcttggtagt gtagaccctg tagttgaggg actcaatggc catccaacgt acaggaagac 540
ggcccatcg 549

<210> 951
<211> 450
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176061

<400> 951
ggaaaggaac agttttatta gcctggagtt gaaagtcttt gggaggccat atggtgggta 60
ccgccacggc tgtacaggaa gtaagatgaa accctgtcca gggcttattt ggattgtaga 120
gccctggaga aggcaaactg cccagggaag aagtagatgc gggagtcctc gccggcctgt 180
gctatcttac tgcactggga ttcttgagggc ttctgagggc cttgcttcag tattgggcag 240
tggaactcct ccagagccac ctgcaggcct ctgcgctgtg tctcgctgag ctcaagctct 300
gtcccgtgta tgtccgctgt gccagccat agggccaggg agatcagcag gcacttcatg 360
gctttgcttt agtcctatgg tccttgaaaa atatcaggtt cgttgcttta gagaggccct 420
tttctgtgtg gttcctcgaa cctcgtgccc 450

<210> 952
<211> 382
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176130

<400> 952
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caggagcaaa tcagagtggg ccttgccca aggttacatt cacagctcaa ggtaagtgca 180
aaagaatgga atgtgaggac agtgcgtgag ggctgctccc ttttgagcgc aggcctcaga 240
gaggaccag agccatggct accctctctt cagtgcaccc tgctgacccc agggagccct 300
tgtcccttcc agggagagga actttgttcc aggagccagt gctccactgc agaccaggag 360
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<210> 953
<211> 518

<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AI176229

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gtactgtacc aagtaggact ttgacaaatt acaaaagata tattcacaag agacatgcaa 180
cagaagttca gttaatttag gtcataccac agtgctgact tttgtactgg caccacaacca 240
cacaggtcag ttgctcttgc tgggtggcaca cattedgagtt ctcaaaatct agaattctgt 300
gactccgtga accattccaa ccatcaatca atcaatggga gctgccacag aaactactgg 360
ccaagaacaa caggcaagcc aatgtctggt ttcttcatct tgttaaacac agcttgctat 420
tcctgcttaa ggcattctca taatgaaaac taagaaattc aatgtcaggg aacaaccag 480
accttatggc cccatgtttt acaggcacag gtatatgg 518

<210> 954
<211> 550
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AI176247

<400> 954
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tagtaatcag tgaagagacc atctggggtg agcaagtaga tggcaatgga atgggtccaca 180
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gcatgggccca cttgttctgt agaaccagtc agaccagca gccttgggtg gaattcttgc 300
acatatcggg ccattggtgc cagtcctctt cgcttctgggt ccacagtgc gaagacaggc 360
tgcaccaggg gcagctcagg ctctgcctcg agcttctgca ctacctgcac cagcttttcc 420
agctcatcgg ggcaaatatc agggcagtag gtaaaaccaa agtacatcag caccactgg 480
cctcggaagt cggctttgca tcgaggctgg cctttgtggt ccagtaggct gaagtcaccc 540
tggccacaa 550

<210> 955
<211> 559
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AI176266

<400> 955
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tgcggtctaca agaggagtcc gttgagatcc ctagtgttgt caggggtgtga ccacaatcac 180
ccgcccagct ctgagccgga gaacctggaa gctatttcat actctggtgc aatggcaaaa 240
aaaaaggaat taacaaaaaa aacagaagaa aggaagaaaa ccacaccaca acacaaggaa 300
gaattaagtc ctgaatgact ggcttcatca tgccaccct ctccacccta aaatggcaca 360
aaagaaattg ctaactacac cctaaagact acttttgggtg taaaacaggt aactgatggg 420
ctaggatggg aacagggcac gatgggaaca gggcgtgacc atccgataaa aaaaaaaaaa 480
aaccgtccct ttcacgtagg tgtgtacatg cttccgagca gacaggatcg ggacaccggg 540
gttcgatgtt caggaagtc 559

<210> 956
 <211> 497
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI176276

<400> 956
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 accatagaaa ccttctgaca tgtatgatga cttatcaata tgtacaactt caaaaccaa 120
 tgcttccagc acaagcgaag tcatgctgaa cgtcccaact agaggcaagc tgatgaagct 180
 tcctgtttgc cgtgtgagcc ttggcttgga agaacttaga cagttagaaa tataaataaa 240
 accttcaatg agaatcacca aaaaaaaaaa aaaatgcttg taaaaatgaa atccagtcgt 300
 ctggatctgg gaagtctgtc ctgcttatca gataccagca agcaaataaa actccatgaa 360
 cgtccaaatg tcagcgggtc aggagaggtc ctgcaggtgc acagttgatc tatcagaaac 420
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 cgttctcacc tcgtgcc 497

<210> 957
 <211> 572
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI176284

<400> 957
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 tagggcttaa aaattctaga ccgaaccctc cccaataat cgttagaagt tgggtgatttc 180
 gtgtggctgt tagcgtgtt cagcgatttg atgcaaagtc ctgacacaaa cgtccttcag 240
 ttagaaccgc acagaaggaa agggacggat acggtaaaag cttcttaaaa atcaaaacta 300
 gtagctttga ttgcacctc aaatttttac aagcaaaaca atcttatgca atgccatcat 360
 acataatcta caaatataat aaaaattcac aaacattttg tgcacactgt atatacacat 420
 cacaatggtg cgattagaat taacacataa catatacaaa atgaacaaag tttaggttta 480
 gacaaaaaac ttattgcagt cttttgaaaa ataacttgat tagatattcc tttgtcctct 540
 tagactaatt tacatttata cagagttgac tt 572

<210> 958
 <211> 525
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI176294

<400> 958
 aaaaaacaaa aagcacaggg ttttatttct agctcattgg gcagggtctt gcgggacttg 60
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 tgagcgggtt ccgcagcacc acaatgactg agtccccgcg caggaaacatc ttggagatgt 180
 agcggctcct gttgacaggc ttggacttct tcttgccctt gccgctcttg gggacctcag 240
 tccacatctc cttcacattt tccagcacca tgttgacagt cctgtcaaag gccttcaccc 300
 ggcccaggag cttcttggtg tttcgacagt taatgagcac ttgcgtgttg tttttgaccg 360
 actgtgtgag caccgagagg ggacctgtgt tgaattctc ctcctccgcg ttctgcagct 420
 cctctggggt catctcactc ttgggtttat tgaggagact catggtgaag gtttcgctag 480
 cagatcactc ccgcctccaa gcgcgttgct ttagccctc gtgcc 525

<210> 959
 <211> 672
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI176298

<400> 959
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 gaaatgcaca agtgaaccat tcaacagctt gccttactcc aagaacacta tattcatatt 120
 aaacatttat acagtctttc ctctctaact ttataactgg tctaaccagt ttccagcatt 180
 tctcacagag tctagttttg ctcatataaa tcaccatttt gcattgtccc aggagacttc 240
 aggttccct gtgcttacat gaggaaacct aaccaccaca ctaccacaa tgtgcctagg 300
 ggcagccctt tcaacatggg agttgtgatt ccaagaactg ataggacatt agtgatgggtg 360
 gactgacagc tgtagtgtat gactacgcta cacggaagga accacagccc agagagcacc 420
 tcctacatg acgtatggca ttaggcaatg tactgcccac agacactgaa gccaaatccc 480
 cagtcttccc agaacagacg tactgttgga gctgctgctt cattctggaa ctgtctcact 540
 ggtgtgacca gattttaaga aggtgggttc ttacgtactg agtgtgtgta cacaatggat 600
 caaatttact gtgaggctct gagaatctaa tcacaggctg ctgaccagtg tccttggaat 660
 ggcccgtgct ct 672

<210> 960
 <211> 566
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI176319

<400> 960
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 caggcagggt tgggtgcatc aggaagaggt ttggctgctg ggggaaggagg tggctggttt 120
 tggctcctgc gactgtgaac cacgatgtca tcatattcat cgccttcac tctgttgatc 180
 ctgtcgtgt cactgctgct gttgctgcaa gggctaagct tatcatctc atcctcgggc 240
 tcaggagccc catgtgcacg gaggaggcgg ggcaggacag ggttgggccc gagcagggca 300
 ctgccaaagt ggggtgcggc ccatacatg cgtgcgggtg ggtcagcgcc agctttgagg 360
 agaagcgcca gcacgcggc tgccctggcct tctactgcca ggtgcagagg ggtccggcca 420
 cacgtaggct cgggtttatt gaggtcggct ccagcatccc tgagcagttg gaccatctct 480
 gcatctttgt ggatgacagc tacatggagt ggggtgtggc catcatagtt ttcagcttct 540
 agctgcaacc tccaatcttc atcacg 566

<210> 961
 <211> 646
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI176363

<400> 961
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 gcttgatcat tatttcacg tgaaagattg cagattagtt ggctgtaat atggcatcac 120
 ccaaccagc aaaaaggctt aatgttttct ctgatgaaag ccagtttact atatccaata 180
 ctgattctgc catttgctg tagaaatact gagttactgt ctggagtttc caatgtttac 240
 ctataactga ttataatggg tagagcgtag agttttctat ttatttcag gtgaactctt 300

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cacatttcct ggcttctgaa aatgttgctt ccacaaatct tctacaacta tgtaccctcg 360
taatccccag tcatataact tctccccagt gatctgggca atagtgatgg cttgttgtgg 420
gtaatagaca gaggcaccta accccatgaa gaaaggagga tacaccagct tctttatattt 480
tgaacctcta gcaaaaagga gtccaacaaa accagcaaaa ccaataactc cgagtcttgg 540
gtaaaatcca ggaggtgcat tttgaagata gttatagttg tctacttccc actggacaaa 600
gtgttcacc ttgggtttag tatgggagta tatttcctga cacaaa 646

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<210> 962

<211> 639

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176365

<400> 962

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gttttagttc tctaataattg tttggtataa agcaaatatg acttggtctt gacgaagaca 180
acttactact ctaaactgtg gcctgttcca aaacgccaac actgagtaaa cacagactca 240
caactatctc tgaatccaga cattacaagt gaatttaata tgcagtttaa gaccagaaa 300
tgaaaagtga aaacaaacaa aaacaccaca cacaacttgc caacttgatt tgtttaaaac 360
taaacttgga tatgtcaggg agggttcaat agccaccaa gtcaggatca gagtccccag 420
gaaaacatac ttcagagaca ccaaagttaa aacctactaa actttgaatt gtggtgggta 480
ctatttgtcc acaatcagca tgtcctgttc taatccatgc agagagcaaa ggtatttata 540
aactaggaag acaggctgga cgccatatct cagagaaaga atagcagcct agcttgcatt 600
cttgaagcct taagttctat cccaagcaca agaaccaa 639

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<210> 963

<211> 540

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176423

<400> 963

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tgtgtctaaa ggagggccag ctgaaggaca gctacaggaa aatgaccgag tcgcaatggg 180
taacggagtt tcaatggata atgttgaaac tgcttttgct gttcagcagc taaggaaaag 240
tgggaaaaaa cgcaaaaatt accatccgaa gaaagaagaa agttcagatt cctgtaagtc 300
accagaccc tgacccagtg tctgataatg aagatgatag ctatgacgag gatgtgcacg 360
atccaagaag tggccgaggt gccctagcta acagaagggg tgagaagagc tgggcaaggg 420
atagaagcgc aagcagggac cggagcctgt ccctcgcctc agacaggcga tcagtggcct 480
ccagtcagcc cgccaaacct accaaagtca cattggtgaa gtctcggaaa aatgaagaat 540

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<210> 964

<211> 370

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176456

<400> 964

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caagtcaagt ttttttattt tattgtcagt tacatgcttt atagaaaaaa gtgtggagaa 60
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aggacgcccc cacttcaggg gcagcagctg cacttgctcg aagcctcttt gcagatgcag 180
ccctggggagc acttcgcaca gcccacgggg cagcaggaac agcagctttt cttgcaggag 240
gtgcatttgc attgtttgca tttgcaggag ccagcgcagg agcaggatcc atctgtggca 300
caggagcagt tgggggtccat ggcgaatgga ggcggcagtt ggagatcaac gagagatcgc 360
tcctcgtgcc                                     370

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<210> 965

<211> 675

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176465

<400> 965

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cttcacacgc ctgtgggaac agacaaggga catacatcac agtggagagg tggcaggggtg 180
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gcagtgcgcc tggatctgtg cttctctggt ggggaagagt cagtagaggc cactgactct 300
aatcagtgcc cctgaagagt aaggccaggg ccagggcagc acctgcttcc acacacttgc 360
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ccattaacct gaggctaagc ctgcatacta ggactgactc tggggagacc agggccaccc 600
tttttctga ggctgtgcc tgccctggca gcctgagaaa ttctaccctt ggggcttctg 660
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<210> 966

<211> 590

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176472

<400> 966

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ttgcagcccc gggggccacag aactgttctc attgctttcc ctaaaataac actacaagaa 180
tgtgtcctaa gaaaatggct gctcctgtgt gcagccccag gaaagcagtt taaatgaacc 240
gaggactggt atactcatca ggactaaaca cactcagata aaatcatatg gaaagtcttt 300
agagcacacc taaataaaga ggaaaatata atataaaaaat aaaatccaaa atgaatgcaa 360
taagatggtg aacattatgg gcattttaaa aatctacata atttctccag cattttcaaa 420
caaaaggaaa agacaggcta ctgtttctag aacttgcttg ctttttcata aattctactc 480
tcttctatga caagagtgtg gacataaatt ttaaattgaa aaaagaaaaa aaggaaaaaa 540
gcagccccta agctgtgtag tctattcaga tttgagctgt tcatgaagac 590

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<210> 967

<211> 630

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176473

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<400> 967
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ccaataaata agaaagtcac tggctgaaaa cagtcaagat tttatttttc aatattattt 180
catttgaac tcctagaata attttctcca aatgaccact ctctgtacc cagaaagctc 240
tggccagggc tcctagactt tgctgcattg gtcctgagac ttctagactg cattagtgt 300
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attctgcagt caagttactt aacttatagg cagggctggg gtgagagggg cacttaaaat 420
aataaggtca ctctaagaat gttcttcctt ccattctcgg ttgacacatg aatctacaga 480
gtaaatataa ccttccctg ggtgcaaggc tcaaccgaa gcttctggct ggctacagg 540
attcagagcc aaggacactg cctaaaaagc taggctacag atgtagctcc aggaacctca 600
gccaatgagg ctttgccaac ctgtagtaga 630

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<210> 968

<211> 416

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176479

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<400> 968
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ccatgaggat gctgaggacc agggagctga tgttcaggca taggcaatga agcccaggca 180
gcagaagttc atgaagagcg tattgaacag ggaccagacc acatgggtcag gcacagagac 240
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ttcagacacc tcatattctt ccttgattct ttcgtagttt ggggggtgtc cccagtgggc 360
agcgttcacg aaggcttgag aagtgtgggt catggtaccg agcaaagca gcagcg 416

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<210> 969

<211> 715

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176483

<220>

<221> misc_feature

<222> (1)..(715)

<223> n = a or c or g or t

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<400> 969
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catacataag ttacatggaa tcttcgggtt gtaggagtag aaatacgatg gtacacactg 120
tgagcctggc agtgaagcaa atgaaaccag acttaaaaca aaaaaaatc ggatgtccta 180
gtcaggcatg gctgaggcag agggctcagga gttcaaggcc atcttcagct acatagtaag 240
gtcaaggccc atgtcatcta cctgaaacac catctcaaaa aaatttttgt gtgtgtgtgt 300
atcttctttt acctgtagga caagggcaga gggggcacca tgtggggtgg cttcattcca 360
ctgctcagat ttccccttcc aacctctggg agaaaagggc ctggtattcc cactatgtgg 420
aaatcttgat atgggaaaca ccaagaacct actggaatat gtccttataa atatatattat 480
atcagagaaa acaaggcact ttggtaacat gatagctttc tctcctatgt gttaaattcatt 540
ctaggcagaa aataaaaatt ggtagttcc tcagggtcaat taactgaata aagttaatac 600
aggaacagaa ttgtcctcag ctttcgctga ggccccacta aagtgaacga ggcangaggc 660
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<210> 970
<211> 645
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176484

<400> 970
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cggcactcca ctgccatcac tggagtcagt gcacctctct gaaacaaagc cagcgtgaaa 180
accaggagg acgcgaggcc tactttgatt taaggtaaag gacaagtttt taatacagca 240
aaacagaaca caaaaagtaa acaaatcctt agaaattact agatgtatgt gtgtgtttat 300
ataattagga tcatcatcaa cattttaagc cattaaaaat caggttgcca ccttaccttt 360
tcttttggtg ctggggatat tcttgtaag gaaaaaata aaagatttgc ccagactctt 420
gtttgttaacc acctcaccca gctttctttt cactgtgcct caccctccac catccactcg 480
acaccagag tccaacctca ctccctcggc aggagcagcg ccagcactca ctgtggagcg 540
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ctgaaaggggt taggtttact gcaaagcccc atggcttctg ttttg 645

<210> 971
<211> 655
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176492

<400> 971
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gatgcggaca tagccgtctt cgccaccgct gctgtagctc ttgccatcgg gatggaaggc 180
aacactgttg ataggtccaa agtggccctt gactcttcca aactcttctt caaaagccaa 240
atggaagaac ctggcctcaa acttgccaat cctgggtggag gttgtggtca catccatggc 300
ttcctgacca ccttcagca ccacatggtc atagttggga gagagagcag ccgagttgac 360
gggacgttct gttcggaaag tcttctgatg ttcaagactt gtggagtcga agagcttagc 420
tgtgtgtgcc ttggatgcgg tgacaaacat ggtcatgtct ctagacaact ggatgtcatt 480
gatctgcggg gagtggttct taacgttcac caatacctct ccagacttgg cgctgtactg 540
gttgagctct ccgctctcgt ggctgcgat gatgcactcc cccaggggac cccaaacagc 600
actggtgatc cttggaatca ttacagggga tcttcatgta agggctcgtt gctgt 655

<210> 972
<211> 498
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176540

<400> 972
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attacaacag gcttttaggt agtgtggctc aatgttgatc accggtttgc taactacact 120
atcacgacct ttgaagtgcc ggttctcaca ctgggtgttc cagtgcggac aggaggcccc 180
tttgaacatg tgacacggtc catccacgcc aagggtgtca ccctcctttg ccgtcctacc 240
tactgcttta aaaatacatt caaataaaag ggtacgttac ttggagtgac tgcacacgta 300

cacggcagcc aggagagctg agaacatgat gaaccagctc cgtctggaga ataaatagtt 360
 tgaaatagtg ggactgaagt ttgctgcttg gggaccttct cgagcatcct tgggtggacat 420
 aagggtgaccc tcgctcgatt caaggacaca tcttttgctg ggggaggggt tgttcgtgtg 480
 ataatttcta gtacacag 498

<210> 973

<211> 678

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176546

<400> 973

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 gaaaacaagc cacttgggga attcctgtca agttgtttta gcttgtgttt acttctaaga 180
 ctagtacatg cagaattaac tacagggaat gaaaaaaatt taagatgaaa cttaagtcac 240
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 aacagtaaca gtaggttaca ttacgtctta caacaaacgt tctatcaacc tcttgagtca 360
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 cacagatggt ttaaagtgtta acaaaaaataa acaaaaatca tggaaaatat attatcagaa 480
 ggaatgaagg taagcatcaa acacatagtt ctggtgaagc ctagtctact tcttccatgc 540
 gtgatgtgtc atcatctcct tccaggggtg gcatttcttc agttacagca gcactgggat 600
 catccacagt aggatcatcc tcatcaatac ctagaccaag cttgatcatc ctgtagatcc 660
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<210> 974

<211> 575

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176554

<400> 974

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 tgtggtgacg gaagccatgg cttcaggcat tctaagcaag cattcatcca tctgagctgc 300
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 ctggcttcgc tgaacctcat taccatgatg aggaaaaaaa aacctagaat ctcaaagact 420
 agcagtgcct tgtagctgtc atcatctcct ggccacggcc caggaagtaa gcatgataat 480
 gaactagggt agttcaactg acatactcgt gctgtgcatt caatctgctg agtcagctctg 540
 ggattagcat cctggggaat atgacacact tcttg 575

<210> 975

<211> 590

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176590

<400> 975

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acagaaacca gggctgggca ggaagcaagg atcttagagg cagagtatta catcacacag 120
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aattctagtg ttctccgtgc aaaagcaaaa gactgtttcc cccttgcatc caccaaaccat 240
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gaagcagagg agaaaatgtc agtgagcgag aggcttgtag aaggacagtc agctaggggt 420
acctttgcta tagaaaagag aactgttagc tcttcactgc aagtttcaga ttttactcaa 480
ttattaagcc tccatgctct gtaatatata aacaaacaca aacaaaaatt acgtgatttc 540
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<210> 976

<211> 655

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176596

<400> 976

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acttgtagca attcaataaa aaaaatttca acataaagtg ggggagataa taatttgata 120
cttatagtag ttatttttaa aaatatcccc agcttgaggg tgaaacattt aattttgcat 180
tccaaactct agaatcatga ttttcatgtg agcttaatgc agaatacag caggaaaaaa 240
aaacatttaa ttaatttcct ttatttgcga ttaaataaat aaaatctctg actgctacag 300
gtctccttta ataatatata tcgaacttct attggaacca tattgctaag gcggtattac 360
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taacatgtac attaaactta gggtttaatg tatttttacc tttcaatttt ttgaaaagac 480
acaaaaaag ataaaaataa atatttttct cttttgactg tttctgactt gaatgatggc 540
tccaaggata cacacaggaa gcagctttgc caagtcagtc gctgcaaagg gcaatgaaca 600
actgctacaa acaaaacaaca catgggtctc cttctcctct gttagggaaa ccgca 655

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<210> 977

<211> 511

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176598

<400> 977

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ctttctactc acacagaccc caggtgggaa gacctaggct gtcccttact ttctaccctt 180
ggaagttgaa tacgaacaca tgggtcaaaga tgaagcagaa atatggaagc tacatgactt 240
cctttagaca catatacacc cagagacccc agcaaggccc cgcccagaaa gtcagtgtag 300
tgtttctcaa agggagaaga gaggtgacat cggaataaaa atgcaaagct gaagaaaaga 360
ccagatgata aaaccattat gtctgcttca tggagcaatc aggaatcctc agaggatgag 420
gatctacagc ccagtgtatg acatgacacc agcacctgtc agtagaagcc atgacctccc 480
tacagtcatg tctacacagg cacctcgtgc c 511

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<210> 978

<211> 667

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176616


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<400> 978
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ctcctggtct cctagccaga gtagcaaate tgaacttcta ttcaggtcag gactgctatg 180
gcctgtgtgt ccctgcccag gacactcatg ctcagcctca agattggcca cttctgccct 240
agatcctagg gaaaggtgaa catgagggag tectggtagc actacaggag tctcccttct 300
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aattgattcc ctcacaaaat agtgctaggg acctgcaggg gctggtcac aggggttacca 420
tacaagccat ccattcattg gacagtgggg aaggcatatc tgggggttat cctgggctat 480
ctccacctca tctgatagcc aagaaggaag caaacttaag gatggcagcc caccacccat 540
tcacaggtcc ctggtaagtg ttggtcacca aggtctccac acactctggg cccggcgagc 600
tgtggtcagg atgcctaagg atgtgggcac caaatctggc ccctcggcag gcaccgggtt 660
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<210> 979

<211> 591

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176642

<220>

<221> misc_feature

<222> (1) .. (591)

<223> n = a or c or g or t

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tgcataaact gctcacacta gaaatacaaa catcgatgta gatgaacaaa gtgatgttca 180
gagccaactc tgctttgaaa ataaatcaca acctgaaaca ctgtgagctt tctcctgaag 240
aaccatagtt aatatattgc ttaattttac ccttgatata tcttttcata tacacatatc 300
tcagatgcaa cttcatgagg aactgtacaa ataaaaccca caaatgacaa aggaagagag 360
acaggtaaat gtttgaagag atgggtcctc atcactgctc aataacatat ggggttggcgg 420
tgacgtactt attcaaaaat tgtacacaat tcactataca aatataatac attggacagc 480
tatgtaggaa tatacaagac ttaaaaaagg atctaaggca ttatgctagg ttttagcatt 540
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<210> 980

<211> 605

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176648

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<400> 980
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ttactacttc aagaatctct tagaacaat gttatttggg gttgaaatgc aaaatctgac 180
ttacaaattc tcattcagtc cctgtaagac aaagcacgcg tggtaaaatg gtagatcctc 240
aacaatacta agaaaccag cgtgagcgtc ccacctaaac gccgtgtgcc gtgctccgtg 300
cctttggtgc tgcccgaga gtgtgagaca gtcagtctcc ttggacactg gcctagtgtc 360
cactgccata ctaagggcaa acaatgtgct ctgtttactg ctccaacact tataccagct 420
acacgagaga cagagaaata cccatgtgca cgtagagcaa acactgaacg ccgtaggccc 480

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ctaaagtctc actacttcaa gaggccactg cagggaaaag acaagggtgac aggtaaaaaa 540
aatgagagct gtgcctgtgg gctgcacact gtccagtgtc ggaccagaca tgtttggggg 600
aaaaa 605

<210> 981
<211> 604
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176658

<400> 981
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tcaaattgac agaaagggag ggctggtgac ggctactggg gatgggtagc aagctgaagg 120
cttctacttg gctccagact gttccgactc tgggcctcca atttgggcac gggcctcgaa 180
agtgaccgga atggtgatct ccgctgattg tgtgactgct ttgggcagcg gagccttcac 240
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gagcgtgtat ttccgggtga agcaccgaga gatgtagcca tgttcatcct gcctttcttc 360
gtgcttgcca gtgatctcca ccacgccttc cttggtctta actgtgagct cctcaggagc 420
gaagtgggtg acgtccaggg acacgcgcca gcgatcggcc gtctgtcgga tctctgagac 480
accgctactg agttgccggg tgagcgcccc gctgaaggcg ggcgcggcca gggtcactgc 540
tgcgggggccc tcggcggtcg cggcgggcaa agggcgcaaca tagccggggc aaccagcgga 600
gctg 604

<210> 982
<211> 567
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176675

<400> 982
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cttagctcca ttgatacaac ataaggggtt ttacattcgg cctagatata gggagaggca 120
gattccctcg cctacagacc tctggcttgc aagcatctcc caccacaaga ttactctgta 180
tagtacatag cccttggtta gtagagggat ccaaataatc gttttcaggc ttacaaagtc 240
cgatacattc actctctctt tccttcacaa gtctaatagc aaaaactact ttttccatgc 300
cccaaagcca ttatcagtag aagaaaactc aggcaaaaaca gagatggcag ttaaggaatg 360
gacagagtat tattggcaca tgcccagcta gtgacaaaca aatgcagtgc accatgactt 420
gaaaataagt cacattacaa ggagaatgaa aacaactgta ccaactaagc tagggagtgc 480
gaagtggaaa ggggattgat tgagagttac tggttttact ggtacaactt aaaagcagtg 540
gagggcaagc acttaaatcc tcgtgcc 567

<210> 983
<211> 559
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176701

<400> 983
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tgcctttggg cttctttcct gtgtgtcagt gctgaagtga aggcctgcag gtcacctggg 120
aagcagggtc gataaggagc tgagtggaca gtctcgggct cagtgcggag acagcagcac 180

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ctatgcgagc ctttgactg acccgccct gctcagagga gctggctgtc actgagtggc 240
tacttcacat ccattctgca cacaacagtc ctggattagc tacgtggtat gctgtggtca 300
ccctctcttt ggagtacaag ttcaggacat caagggtccac gcgtggacca ctatggtggg 360
aggtgactgc taagagccac acactcatca tgcccagcaa gtcctcaggt taaaaacact 420
ggtttcctag tcagcccagg ggaaagaggt cttcactgtg gaagagagga tttataagta 480
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ccaaggtctt ggataacat
559

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<210> 984

<211> 479

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176739

<400> 984

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tttttttttt tttcaggttt ttgctttttt tatatttata aaaaaaacca acctcccccc 60
caagtaactc ccaaacaaca caaaaaacca gattaaataa aatttacagt gaaccagca 120
aacatctgta tgtgcaatta aatactgtgt ctgttactgt ggtggcaca acctcaaca 180
aacaatatac aagtgttctg gggttggatc aggggtcggg ggagtccaa gttttaactc 240
tgtgggggtt ggggagacaa ggtgggggaa ttgaacgaat ggggaaatca atttattttt 300
cttaattctg tccatataaa tatattcatg aagacaaaa gagggaggg cagttgggct 360
ggtgatgaag tgggagaagg ggagggcata tccctcttaa ctctactcag caaaaaattt 420
gaaacaaatt aatttcatgg tgggagaaga gatttaaaaa atgatagaag atgggacct 479

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<210> 985

<211> 556

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176781

<400> 985

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gagcaggcta gggaggtctt ggtagtagag ggcttttcca gggccaaga cagaccctg 180
gctcagtgcc cagcaacaaa atgagaaaaa ggtaggtgtg tcagacatag acggtttgta 240
taatgtccaa ctaaattgtg agtggcttca gaaatgcacc atgttaaata tttggatata 300
aacaacacta tctgaaattc aagtggagcg tgggtgtctt ttttgccaag ggaaagaagt 360
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catggaacat tactttggtt tcaacaggat ggtgtttggt caaggctgag agcctcaagt 480
gagcaattta gcagagtctg tatacaaaca gatttaccac tggggcacag agacttcctt 540
cgtgccgcct cgtgcc
556

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<210> 986

<211> 599

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176810

<400> 986

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acagttcaca tgacataagt tattttgttt tctaattctt ctaatgacac ctgagttatt 120

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taaaaatata ctgtgatgga actgttaaagg gaactctgac taaaatcctt tctttttgca 180
aaactcacc ctttatctg catgtctttg gaagaagggt tgctaaaact ggatcctagg 240
tggtccaggc agagagaagt cctttaaaac ccagatgaaa ggtactggag aatgctcccc 300
cagctgacac taaatactgg agggcagcca tggaggactg aagggtgagg cagagatgag 360
gtgcttagtg acagaaccca aggcctggct aagggtcctt ccatgtgaca agcgttttcc 420
ttgctagtgt taacagggga cagaagctaa gggcactaag gccagaggag aaatgtctgc 480
taagcaactc actgcccctg agacctctaa tatgtacaga tgcttaaaac agcaagtccg 540
acatttaaaa gtcaaaaaaa ggtcaatggc tgcatttccg actcatgggc gaatctgtc 599

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<210> 987

<211> 445

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176828

<400> 987

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acagttcatt ttaaaaaaga caacgactca taaaatgaaa acagaagaaa gaatccagag 120
ctggagagct gaaatgtggc cctggggaga atgtgtatgt ttccagtctt gatgttgggg 180
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cctctgtgac cttgttgttg ctactgctgg gcacaatgga aaacagtcaa gccccctggg 360
tgaatcgcca gcccaagctt gtcttaccag ctccttcgga aacaactcct tagcctcgtg 420
ccgaattctt ggctcagagg gccaa 445

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<210> 988

<211> 574

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176836

<400> 988

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ccgggagacc tggagaatta tttatccggg aatatgccaa gaaggcagtc agcaaggggtg 120
gcaaggggtg cgtggccgct gaggccctga aggacccgga ggtgtgcaca gaccctctc 180
agctcaccac acacgccatg ggggtcaaca tctacaagga aggccaggag gtggccctga 240
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ggcgtcacaa caggctgagc aagaacaaga agctgtaatg tgagtgtggg cacttcctcc 420
caggagccag cctgggtgcca gccagaacgg ggagaaccga gtccttcatt cgctcacctg 480
gatgtgcagg ctttacacac actaaataaa caaagatgaa aatgaagggc aaaataaagg 540
gacctgcggc agtcaaaaaa aaaaacctcg tgcc 574

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<210> 989

<211> 478

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176839

<400> 989

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aaaaacatca ccaagtcaga tttttatttc tacagacaga aggccaaaag tttctatttc 60

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agtagcagtg tacaccaaac cactcctccc cagccaaagc tgactcttct ttgcatcctg 120
catgcctttg aaccatgccc agccttggtg ggggtggcagc aggactagac tgctattctg 180
tggtccaagg ggtacctgaa agcaagaata gaccaacact ggcattccgtg ggttcctcag 240
gccaacgcgc tccccctctga gttcaccatt cattcaaagc ctgggtcttg cgcgcagcaa 300
accttgagac ttaaggtgct cggcgatttc tcctctccct ggaggacctt ctctccctcc 360
gacctccatt ctgtactgct tgatcagtcc agccatctgc aaatgaatat cacagggaag 420
agacctatcg taaccacgag aacacctcac ggagactcac ctctgtgccga ctggtgcc 478

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<210> 990

<211> 662

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176841

<400> 990

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atatataaac aaagtatctt catggcatca aaatagaact ccagactgga cagtgacct 120
ggagaagggc agccacagag gcagagagcc cctaagccag agctactggg ggtatatggg 180
gaagcaagaa gatcagggac ccatgacacc ctagcgtctc ctgccagacc ggttgccctga 240
tgcagggctt gagccatcta catggtgcaa cctggtgggg tggcccagga gcttccgtca 300
cctccagcct cctggcatgg ggtgcccagc ctctccatcc caatatgggg ccaggcaggg 360
aacagagtgg gcagtacact cacaagagca cagtcctctc agccaccaga ggttgccagg 420
atactggggg acatggtggg gacgcccac accatacgag gaggcagaga gatggccgag 480
catcacaagc acaaggttaag aaatacagaa cgagctagga ccacagcaag aactgcacat 540
gcctggaggt caagccacc tgctcaggtc ctgcatgtga gacggctgcc gtctgtccat 600
ctggctgtgg gaatcaacac ccaggtcacc gcactgcaca ggataggggg tttgtatgtg 660
ca

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<210> 991

<211> 498

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176901

<400> 991

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gctgttcaca gcacctagaa cagggcttgt catccagaca gcatcacccc actgtgcaca 60
ggaatgcatg aagcacaatg gctgtttctt cctccagaaa ggcacttaca gtttagcttg 120
gcccaaaaag gcaggcgaaa gctgagacac cagtactcaa ctacacactt ggagctgaag 180
ggccagttaa ggtggctcta gccatacagc cccacctccc ctactctgc ctcttcagc 240
tgtggcccat ctgggacaac ctggtccatc tcccttcggg cagaggctga taggacctca 300
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gctctgccgg agtaggatgg ccgggagctg agtatctttg gtcccacata ggcagggcac 480
gcgtgcttgt cccacaga

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<210> 992

<211> 575

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176942

<400> 992
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actgggggttc ctaagaggct tctctctgcc tgggtgactt tagagagggg ccctccctcg 180
ggtctgctga tccttagtca tccctcaaca tgaagatgct tcagttcaga ccaaacagat 240
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ctaagtcttg gagcaagtga tacatgtaca catctatatt catttacaat tcaacatcag 360
gctatatcac agatcactcg ctgattctca gcaattggac aaggtctgag tctctggagt 420
aactaccacc cactgtgaaa ggctcccttt accactgagg ctggcacagc agtcataggg 480
cataaaaaaca aatgttttga aggcaagacc acacactata cctgtttaat aaaaaataaa 540
acaatactag tagtagtcta cttactatgg cctat 575

<210> 993
<211> 435
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176947

<400> 993
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ccactgacat ctctgtgaca ggagcaggcg ctgacaacat gcaatgcaag tcaggaaaac 120
cccacagacc tgtgggtcgg gacagcccat cttttccctg ggatatgaat gcactccact 180
tcgtcagcca gcctcccagg cttggaatct aggtccagac gcctggctgc agtcccagg 240
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tagaacagct gtcacactcc atggccaaca gagaaaactg tcctggcctc ggggagacag 360
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gtgtctctc gtgcc 435

<210> 994
<211> 595
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176963

<400> 994
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agtatctttt catgtactga atataactat tagcacagtg tcaaaaatgt tgaagacaga 180
aacaaaataa aaatctgtga aatgtttgcc actgacgaca ttccacaccc tattttattgt 240
ctgtacatat gggggagggg gagacagcca acttgaaagt gaacgggatg acttttctctg 300
atccagaacg gtttggccca catctgtttt aatcttccag tttagcatat ttgaaaactt 360
aagtctgtac tcgaatgcat agtttaaaaa aaaaatgaag cgagacggca gtttgtgcag 420
taatatctgc ccttcaaagt tcatgcagcc aagaaatgca atttttcctt tcaactcataa 480
atctgaatgc agtgcgagc catttgaaac catctacaaa atccacaaga ttaagcagtt 540
tgccaagctt aatatctaac agttgagcac gggagaaagt gaggaaacaa ggagt 595

<210> 995
<211> 550
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176970

<400> 995
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ccttcggttc tctgagagtc ctagaagaac acctagatag acacaaatat cagtccgaaa 120
ttatcaactg acctggacca tctactacca aagggtctata gttttttaa atgtgtga 180
caatgcaaaa taaaataaaa acctgttaaa cacagagtaa actttgcttt aatggatata 240
gaaaggaggt gatttggttt gttttcaaca catctgggtc tggcagcaaa taataatata 300
ggttagcaat gtgccctgaa aatttctgct ttctgcttgt acttatcact tgaatcagag 360
gccagacatg cggaaaatgc tctaaatcct ttaacaccct ccttcagaa agccacaacg 420
ttaatgaaca taatggtctc acggcccata gtatgtacga ttatttttcc ccagtaacac 480
cggatggctt caatgatctc taaaagagaa acaaagatgc aagggaacct tccagggtcc 540
aacttcactt 550

<210> 996
<211> 370
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176990

<400> 996
cggagctggg gaccgaaccc agggccttgt gcttcctagg caagcgctct gccactgagc 60
caaatcccca acccccactc atttctttta aagacagcca ttcttcattc tcagtttcat 120
tatccaatca tccactttta ccttgctatc aatggtgtca aatttggtta gaacaatgcc 180
atcaatgagc cgaggtgtct gagccataga atgggtcagct aaggctctgt tgaatttgac 240
ctaaaaaggg aaagggtgac ataagaaccg atctaatttg ccaaagttta agttgtaagg 300
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ccctcgtgcc 370

<210> 997
<211> 610
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI176993

<400> 997
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ctttgtaagg aaaatgttct gaagcgtcac cgtcaaggac tacagaaaac tgccaccac 180
agataaactg ccacagtaag tgactacagc gtggctctgt cactcatacc agacaacccc 240
aaataaatac tttatgaaaa gaattaaagt ctatcaaaac cacttaaaat agaattctta 300
atgcagaaat cttaattttc cttcagttgg gccagaaacc accacagacc ctacggtcag 360
ggttcagggg agaatgaatg gaatgttta gctcaggcca accaacacag cctcaactt 420
ttcaataaaa tcatttactc aggtatactg taaataagaa ctgtggcaac acaggaagca 480
aaaggcagtt ggcaagtga atttctacaa gctcatgaaa acaataccat ccaaacggca 540
gatggaaaag gagagacagt tagtgctgg tcatcttcag tcgttcggtc gtgcagggtg 600
tcaatcactg 610

<210> 998
<211> 595
<212> DNA
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177029

<400> 998

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cagctaaaga gataaactca tgttacttat aaatatataa ctttatatat tatatgcatt 60
tacaatatat acagtataca aattttttaa cgtactacta agaacagggt tggaaagaga 120
tgttttcaaa acaaaggatt actacttgct gaggtgggtt cctgctttac ctagaactcg 180
gcggtagaca acaccccgag cccattttat tagaagccaa agggcacaga agaatggttg 240
ggcatggctc cttctcatct cgaacaccct ggctttctac tagcgccagc tagcacagac 300
ccatgctcat ctcccgaggc ctgggcacag tgccctgggtg atggctgggtg ctcaaactct 360
tgaagggatg agcaaatga gtgcttcaag tccccagctc taagagacca tctgtgcac 420
ctgcaaagca gccacgtagc tgaggctgga tcaggagcgg acgctttcca gcttccacac 480
tgtgagcaga gcagtctcta ttcccaagca ccaagggagt ctcgttccaa tggcacgcgc 540
tttcttctc ttgcttgga aactggggcc gccgtttatc ttccaaaagt ttctt 595
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<210> 999

<211> 588

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI177038

<400> 999

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gttattgaac agagatccag cttctttatt acccccttcc aaagaaagct tcaaattggac 60
taagtctcta aatagcaaat aagcctgttt acatgcctat atcaaacttt cccaatcttt 120
ctccgtcaca tctaaattac ttactcttca acctctaaac ctgcttagag gtgatcttta 180
aagaacagta agatcaacga tatacagtag ccacagatgg ttcattcgca ccttactctt 240
ctcaactcta actctctca gtgaaccac acaacatact gtgagacgtt tacactgttc 300
aaatgagaaa tggaatattc agagagtaaa tgatttctta agctgaatat ggtggctcat 360
gcctgtgatc ccaatagtca ggacgctgaa gcaggattgc catttgtttg aggtcagcct 420
gaactagtgt gagatagtgt aaaaaattaa atgatttcca gttccaaaaa acaaagaaat 480
taaataactc ccagcccaa gtggcaaact ggcatgggga cctgccatgt ggcaaaagct 540
tcctgtctgc agtcttgaag ctgaaggagc agaaactatg gatgagca 588
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<210> 1000

<211> 492

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI177042

<400> 1000

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atgaatgagg caatttatta acccagcatc ctttgttcta atgcttcttg ttggcagctg 60
ccacctgtcc ggcgatcctg tccagatctc tctgtccctg aggtgttagc ttgcggcccc 120
catcttggtc cttttccacc attttcagcc cctccagggc ttggaggacc cggcgggcca 180
cactcttaga gcctctgctg aagtggctgg gcctgacacc gtttctctgc cgtcctcctg 240
agatcttggt catggaacca acccctgcac caccacggag gtacaggtgc cgtgctgtgg 300
aagcagctcg tgtgtagaac cagttctcat catatggggc aagctcttta tgtttggcca 360
acttgactgt gtccacccat tcggggactt tcagcttccc agactttttg aggaaggctg 420
ccagagctct gacgaactcc tgctgggttaa cgtcttttac agtaactcca ggcacgtgct 480
ggcctccgcg ct 492
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<210> 1001

<211> 629

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI177055

<400> 1001

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gttcttggtc accatttaga tggcataata aactgagaga acaataacac aatcccaaga 120
aggcattacc ctataaacac acgtatgacc acccatgcac acatacacac aacatacaca 180
caaagattat aatataaaca ccaagtgatg aaaaaaacac tttgaatgct ctaaatacaa 240
ttaaaacccc tttattataa taaaccgtgg caatattgtg actataatga aagatattgt 300
aactgcttaa gaagaaaaac aggggaatac tggcaattta gcagcagcaa acagccaagg 360
aagggtggaa gctaagcaga cgaagcagca tctctctcta atgttggcac tgtgtaggac 420
tgcacggaag tagtttaagt tcagttttta aggaactatt aaaacatcct ttgaaatact 480
aatttgctgc actttacaaa cagtggaaaa gaaaaaaaaa gtatttggaa tgttagacac 540
gcacgcacac gcacacacag aggaaacata ctaagatatt ggtttatggt ctttgtttat 600
gacctccaaa aagttttata aggaaaaat 629
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<210> 1002

<211> 404

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177091

<400> 1002

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acaattttaca tatatatatta tatacagtat ataaatctct ttcttcttgg tcccaccct 60
cccctgataa cctacaagtt gtcagtagca gatccaaaaa cttaacaata aaagagagaa 120
taaacagctt ttcttccctt tcctgatccc actgcggtat tagataactg gtgttttaca 180
atggaaccag aaacagaaca cacacataag agttattaaa agtgcaaaca tggagggcac 240
cacttatggt acatgggctg tggctgggcc acgggcagcg ctgaaggtta ggtgtctgat 300
ggtcagtcct gtcttctcag actctccatt ggcttttctga ttttctgct ctttagacga 360
gacgtccaat gaatggattt gtgctgctc gttttccctg aggg 404
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<210> 1003

<211> 594

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177099

<400> 1003

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ttagaagaca gagtttttatt ttcaaagcta aaagcagcct gggaattctc tgcactgtaa 60
gatacagctt tacatgtgta tcaatagagc caataaatta ctgtttctct tcaaggacta 120
ctatgtaaat gtttgaatcg gaaacattat gattgcccat tgcaagcttt gctattgtca 180
tttggaaca ctataaccac acattaaaaa aatatcaata tatgtatgac tctcagaaga 240
catatacata tacaacata ataattcata ttcccggtat gtcacatatt tgatataaac 300
ctctgaagca tgtttggata aggcaaaaat cagagctctc caaaagctga aagtttaatt 360
tacttgccaa atatcccta ttaaccgaa catcaatatt ttaaagtctc tatgtaaaaa 420
gtatgctttc agactgctta aatgctataa cgcacacaac aattttcaaa taatagaacc 480
aatagttttg ctatttgaag aatattaggt aaaagatact atgtgacaca caccacaaga 540
gtcaatgata aaaagctggc ctctctccta caatgagtgc aaaacgacca tcgg 594
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<210> 1004

<211> 518

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177103

<400> 1004

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aaatccccaa ccccggttct ggtgctttga cagtaatctc tggattccaa gcagaaagaa 120
ggggcacttg ctctgaaacc tcaagcagcc agggagagca ctcggttaga gagcactgtt 180
gccagtgtca gcagtgtctg aaccaacact gctgctcttc tgggccacac atgaccagca 240
gttggggaga gtttacgctc cccagaggag gaaacctttg cctctgtttc ttatacatat 300
acatctgact tttacttctt tgtgacagga actcacacat tgaacttaaa attgtccata 360
ggacttgcta agagacaaac ccatgagccg cctgtccccc taacccttag gcacatacta 420
gatctacagc tgccccctt gtcaacatcc accttaagtc agaactgggc tctccgtggg 480
gaccagtgc agtacacagc agacagtaca agcttcca 518
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<210> 1005

<211> 560

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177105

<400> 1005

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gagtgaaaac ttaaagcact tttatttctg gtacaaatga taaatatttt gtattaaaaa 60
tctggaattc aagttttcct tgtacttcat gctccctccc tgccctcaaaa ccttgccaaa 120
gttcttcagc ccagaggcag gaagaatcgg tgccctgtga agtatccaag ttgggtctca 180
gaaaaggcac acaaattggg tcttgggggc ggcacccctg ctccccgttg cccccagggt 240
agaaagaagg cactgtaact ggacacaaga gctggggcat gagtccccag ctgtccctct 300
ctggttccct tgcgtgtgaa aaggttccct tgctgcaggg ccacgcctcc agaacaagtt 360
ccacaaaagc agcctaggct ggtacatttt gattccacat atgtgggcac ttcaggggaa 420
aggagaggca aggttaccag tctggagaac tgctttaacc ccctctgcct caagatgggc 480
gcagttaggc ttcagggctg cctcagggtt gcccacactg caaccctctc tcaattcatg 540
cagatgaggc cgtggcttca 560
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<210> 1006

<211> 473

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177115

<400> 1006

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gtctgtgctt tgcaaacaga atcaagacat taacaaagat cagcttctct gaagaaaagc 120
atttctatag aacagagaca gctacatgtc cgctgccatt acacagctca aagcaggaaa 180
aagaaaatat ttacaaaata caagtttttt taaattttta tcttttttgg ttttttttgt 240
tttgtttttg ttttttacia tgctaaaagg gttattcaga attttcaacc ttataaatag 300
aagaagcact ttatgcatag ggatatggtg cattattgtt gtttaaagaa acaatgacaa 360
accttttaac ttgcaaacag aaagaaaaaa aaatcactaa tgttgaaaat tgtgaaaaaa 420
ccctaaccat taagcagtct gcctactatt tttgtacgat tataaaatgg cag 473
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<210> 1007

<211> 605

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177122

<400> 1007

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ataattctct ttacagcaaa tatataatat cagtgccttg gccatcttaa gttaaaggcc 120
ctttatcata aaatatatgg ttttaaactt tactcaaatt gaatttataa tccctatgac 180
ttccctacat atacataaca aaagagtgtg gtaaaattag caaatactaa actatattga 240
taatttatca ttcttagttt gtgggtttta gaaatagtag acgcacctaa tatatgtcga 300
ttccttggct tattagtgtc agtgtacgat gcaacaaaat acgaaacaca tgctgggtga 360
cattcgtcca tatctacaag acggcagcta gagattagga ttcaatactg acaatcaact 420
atcctacaag ccattagcat tacatcataa tgtgccatca aggcaacttt ttatactgaa 480
aaaaatcaaa ataaaaaccg ttatttgtaa actttatacg aaatgtaact cttcaagtgg 540
aaataaaaaa taaaattttg tctatttact attgaataca cataagattt caatttttgt 600
tatac 605
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<210> 1008

<211> 616

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177161

<400> 1008

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agttttcaat agtttgcttt tagccagatg tcatataagt ctatgactgt aacaaatgag 180
aacagtataa ataagttctg tagtattttac acttacacag aaactagccc aaatgggtgcc 240
caagaaatta acttgagagt taaaatgaaa ctgattcaac attgagactt taatgctttg 300
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agaaaaggct ccacctctcc gaacctagtt tttctttgta tctggcttct tgctcttggg 480
aacaaggaac acgttgccat ctctggctctg ctgcagagag tactcactgg gagagtaagg 540
tttcccatcc tcatcacgta acatgctgaa gacttccaga tacaaagtgc tgagttttct 600
tttcagaaga tggagg 616
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<210> 1009

<211> 563

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177181

<400> 1009

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cagagtgaac agagtctaga aacaggctaa ggcattgtga atgggctatt gagaacggaa 180
gtgcccagtg ctaaaccagg gcctgagtga tcaccaccca atctgtttct gtgggaacag 240
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tagcagtgtc gtctgcagc ttctcccaac cctactgaag taccatgat gcactgcgac 360
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cagacacgtg aactggattt ccaagtacac acagggcaga accccgagtg cacaggcagg 480
gccagctgct tgggctctgt aaccgatgtg gcccgagctc aattcccgtg tacttactgg 540
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ttgttggaac gacgacaaac cat

563

<210> 1010

<211> 537

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177341

<400> 1010

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ggtaacaatc cattctaat aaagtacttt aatgctgggc atacatttat ataattatct 120
tgacagagta agaattagaa ataccataa cttttttgtt agactgttgt tttaaaatta 180
acactggctt tgacaaaagc agttggggct taagggggac acgaaggtaa atagcagccg 240
gctcgtatta atactgctat ttccctccct tatcacactc cacagttcaa tttatttatg 300
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gttggggaag cctcaggagc cagtcaggag ctgggcagcg gcacaagccc tccatgtgtg 420
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gagccagaga ggccccagaa gaaacttggg ctgtgccagg taagaacctt acagaat 537
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<210> 1011

<211> 556

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177363

<400> 1011

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cgcacatggt caagcgcaaa cataggcgac cgaggcaaca ctggacatgg aacacaggat 180
gggggacagg ctggggctca gttcaagttc agggccagca agcagcaggg caccaaatct 240
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tgccttcaca gctcacacac agtgtgtagt cccaggggta gttggtgctt tcccgcacca 480
ggaacaggcc tgtctctggg gggtagagaa gccgctccgc ctgctcccgt gtgatcttgc 540
cgtggaacca aggcatt 556
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<210> 1012

<211> 618

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177366

<400> 1012

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tgacaggagg gcacagtggc cgaattgctg ctgagggggc ctgcccaggc cctacagtcc 180
tgcaagcagc aggcagggct acagtatttg tgaaaaaggg aaatgtacag ccacagaaaa 240
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tgataaagga gcaccaggaa ttaaagaaaa acaaagcaga acaggccctt gctccacaat 360
gctactaaag ttatggcctt atgtaaatag tgctaagtcg gggacttttt agcagagaag 420
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ttcccagtag ttttatccaa gcttggattt ataaagagaa agcgttggga gttacaggat 480
 caagtaactc acaatggcac acaggtttta aagctaagtt ttcctttcca catctcagaa 540
 tttttccaat ggacttgtaa atcaactgtg tcaaatttat ttttaattgga aactgtcaac 600
 acacttgtct tccgcacg 618

<210> 1013
 <211> 501
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI177377

<400> 1013
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 caggagcaga tccgctctgc ttgtcttgct ggtttatagg gggcaactca tcctcctggg 180
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 aattgagata gagtcttggc aaaggagttg caaccacaa cttgagaacg ggtgccactc 420
 atgaactggt ggtcctgggt tctttaagga agcaggctga gcaagccaat aagcgggacc 480
 ctccatggcc tcggtgtcag c 501

<210> 1014
 <211> 514
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI177413

<400> 1014
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 tgcccattgg catcacgggt gcagccattg gtggccggtg tggactcttt cttcacatcc 180
 tccttctcct cggcgtccac tagggctgtg tatttatcct caggcacagg gatcttcaga 240
 gcattatact tgtttttaaa atcatccacc aagccaggct tgtccacatt ggccctgtag 300
 taagcccagt caatcgctgg tggtttctca gacagactag ccaacctggt gtggaaggtc 360
 tcattccagg acttcagagc gtttccaatt gccttctggt tttggggcat gatctccaca 420
 aaagataccc aatcgatggt ttttagagca agtttgccgc cagccatctt ggataacttc 480
 ccgacccccg gcggagcgt gtctccctcg tgcc 514

<210> 1015
 <211> 520
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI177489

<400> 1015
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 gggagggaat acctaggcaa tgtgggggtt cttctgaggg ttgtaaaaac attctaaaat 120
 tttttttgca gtgatgattc attcaatgac tgaaataaac taaaagtcac tgaattgtat 180
 actttaagt gataaactgg atgctatgca aatttcatct caatagagca gttaacagt 240
 acacagaaat tacaaattaa ccacacattc attaagggca gaaagaacta atggagaaac 300

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atcaaggatg gtctgactca ccaaattaca tattttaaac agctgaattt tatagcatgg 360
aaacgctacc tcaataaagc catgaagaaa agtccccag agaacagaaa attaagagca 420
cacagctagc agaagctgct gtgcaaatta tcaaaagggg ccagtacca ccagtctgaa 480
gacaagggaa tggcttgggg ggaggaactg gatatctttt 520

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<210> 1016
<211> 575
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI177503

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<220>
<221> misc_feature
<222> (1)..(575)
<223> n = a or c or g or t

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<400> 1016
acagaattta ctacaaaatg ccataaaaat cgcttcaact taagctctct cccccgctat 60
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cagattggta tcttcaaaca accccaccag gtatgcctcg ctagcctcct gaagggcacc 180
gatggctgca ctttgaaacc tcaagtcggt tttgaaatcc tgggcgatct ccctcaccaa 240
cctctggaag ggtagcttcc ggatgagcag ctcagtcgat ttctggtaac gacggatctc 300
tcttagagcc acggtcccgg gcctgtagcg atgaggtttc ttcaccccg cagtagaggg 360
cgcgcttttc cgggccgcct tgggtggccag ctggtttgcgg ngggctttcc ctccggtgga 420
cttcctagcg gtctgcttgg ttcgggccat cttctctcac ccaaagctga agtctgaggc 480
ccttgctggg accgacgcgc cgctgtaagc gctcgaacaa gcgcgcgaat cgcagagcag 540
aacaagacga agtccttca acgaacctc gtgccc 575

```

```

<210> 1017
<211> 521
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI177638

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<400> 1017
aaggctctcag gaattttatt acaaaacaga ataaagagag aaacttacag atttatacaa 60
taattttaaa tatgttacag ctttaattta tgaacagaaa tgtcctgttt tttcttcttt 120
atctttccag gttgctttgc atcattaatc tgcattttta cttgatcttg caatttagaa 180
aagaatgcct gagatgactt taagggttta tcttttcggt catcctttaa caaggacact 240
ttgcctgttt tgggtcaactg tttgagcttc tcggaagctg ctgccctgct ggacttagaa 300
tgatctgggt tgctcttttc aagcaatttt ctccgcttct ccttctcctt tattttcaaa 360
cgcttctgat atttcttttt cctccgcttct cgtttcttgt ctgtagctgt tttctcagca 420
gctgttttta gatctccagc tttatttttc tccttgattt cctctggggc caggagggct 480
gcatcactga cactcactgg ggccactttc tccatggtta t 521

```

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<210> 1018
<211> 429
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI177790

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<400> 1018
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 atatcctgat ttatttcccg cccgtgtacc tccccactac ctgtgaacga gcacacccag 120
 tgtggtgtgt caaacaaagt tgtttagggg agcaggccac atggcttgtt gtctcccacc 180
 aacagcagcc tccagccttt caggaacgtg gccacaata gaggtathtt tgtttagtgg 240
 gtctcttagg caccgtaatt gaaacttaaa atagtatagc attgtctctc acatcctttc 300
 ctcgagttgt atcccagatc gaatccctgg ctctgcgatg ggtacctgtt tacactggga 360
 tctaacagcc atcagcctaa cagtacccag gcaggaatta ttatctactt aagtcactaa 420
 tgagcaaga 429

<210> 1019

<211> 565

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI177869

<400> 1019
 aaactgcagt ttatcatgaa atgcaggcca ctgtagacag ctatggctca atactgcttg 60
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 ggcatgaact tctgcccgat caggcacttg ctgcagcagg agcagaggaa gcactccgtg 180
 gacgcgtgcc agctgaagtt attgtacgtc actcgtgca cttccgggtc gatggcattg 240
 tggcaccctt gacacaccac agcatggttc ttcacatagc acggcttgca cacaggcttg 300
 tcacggacca tcacgtatat ttttccggcc aggatgttgt cgcagtcaaa gcagcagaag 360
 tgcttcagat gccaatctct gttttctgcc tgggtatact cattgctgaa ttcagctgg 420
 caggaggaga aaaacaaaac ccgtcaggca tctctctcct ttaccccgcg ggaactcacc 480
 cagtcctcc tgatggccgt ctaagcctac aagggcagat gccttcttga gggctgaata 540
 tttgaagatg gtaacgtcag gcttg 565

<210> 1020

<211> 647

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI177885

<400> 1020
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 cctgatctga cagtatacca aataaagctc tggacaagca cctcctaaag cttggaagaa 180
 cgcccggcac gtctcctctc tcgcactcac tgcactacga aagactaaag agaaatttgt 240
 tctgaaaggt gacttgctta gtacaagagt tgagttcaag aagttaatgt tttagtgcac 300
 tttgctccag ttttagccaa catgctacat tttccttttt gctgttgctt tgtttttaggg 360
 ggaagtgggg tgaggaggtg cacaagtag agttgaagat ttccactgtt ggaaaaagag 420
 aggactctgc aagcaaaact ggaagctgcc ttgtacctta agacctgaac attttaagac 480
 agaagctttg caaaacatta cacaattttt tattattaaa tgagaaaatc tcatttggtta 540
 catcgtcaca ttgctagtca agagaaatgc tgcagtgatg aagaaagtca atgttggatc 600
 aaccaaagtc cttatttcta caacattcat ttacaaagaa ataatgt 647

<210> 1021

<211> 395

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI177911

<400> 1021

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aagggggtga aaggtcaaga ttttattgtc ttcataacaa aatcagctta gaactggatc 60
acttggccct ttctcttctt gtcacctcct agttcaaaat gcttgcattc cttaatagcc 120
agcactcctc tagatctgca gttgggctca acgcactcca gtctcagcac aatcttcttt 180
gtagtttttag ccttttttgcg gaaaatgggc ttagtctgcc cgccgtagcc actctgtttc 240
ctgtcataac gccgctttcc ctgggcatac aaagaatcct tgcccttctt gtactgcgtc 300
accttgtggg gttggtgctt cccacatttc ttgcagaatg tccggcgggt cttaggaacg 360
ttcaccatgt ttgcaggagc gctacccctc gtgcc 395
```

<210> 1022

<211> 558

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178025

<400> 1022

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aaagaaaata ctttattaca tcatgaaaaa ggtatccaac aactagattc atacttgctt 60
gaatctataa aaaaaaacia acaaacaaaa aactgaaagt ttattcatta gactgtatgt 120
gggggtcatgt tccacatggg aacagagagg cacaagggtc tctaagtatt gcacagtctt 180
gaaaaaaaaa aaaaggagtt gggaggagaa gatcacatga tactgggaac gtctcacatt 240
atgagaaact accaagaaac attcgaaaag aaaaccctct gtttctacag tagcttttagt 300
ctgcagttct tggaatgact attccattga agacatctta gtaacaggaa gcttcgtttg 360
agcaatccca tgtgcaaata ttaataggaa aatatataaa ataatgcac tcttgccatc 420
acccccggca attcaggacc gtatttttga gaactgtttt gtttgacact cggttaagct 480
gtgagtttgg cctgaagctc catctctgct gctgtcttga gcgcaacgct caccaggagc 540
tgaaatccac taaaatcc 558
```

<210> 1023

<211> 566

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178027

<400> 1023

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ggctcctgcc atctttttta ttggtctggg ctgtgggctg ggggaggcag gtgggctcac 60
atctttatgc aagcagcaag gagacgggtc acatgctcag gagactccag gaaggccttg 120
agcttgggtc gggctttgag acgcgctaca taggcggaga gcagggggaa gtctttcaag 180
taaccagga acaggagctc taggttcaga agtaaatacca gtaggcggta gtcggcgaag 240
gagatctggt caccaacaat gaagcattgg ccacccttgt tctgggccag aagagtttca 300
aatggcttca ggtgtcctgg aagctccttc ctatatgggc ccttgctctc cttacagata 360
tggagatagt gccatgcaat gcgcctgaac acgtcttcca gtccgtcgtt caccatgtcc 420
accagtgtg cctcttgctg gtctttgccg tagagcccga aggagtggcc caggtgccgt 480
aggatggcat tcgattggta cagagtgagc tttccatcct ggaacttggg gatctgcca 540
aacagacagg aagccttgaa tgtgcc 566
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<210> 1024

<211> 475

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178073

<400> 1024

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aatttaagac acacatgctt tgattgaaga gtgactgtaa gtgagtccaa tttttctcta 120
cctgtgatga caacttcacc agctcctcta aaagcactgg ctccgaagga agcattctga 180
ggtgtaactt cagaaacaat gcaaggtagc cctgggcccag ctcgaaatca cgctttctgt 240
ccagcatcac cccgatcata ctcaaaaagc tccgcatggc ctctattgac ccgccgtcct 300
caggagacaa gttccgcagc tccgtttcaa tcccagacgg gcctaactct ttcagaaggt 360
taagagcccc ttcatactga ttattttgta atccttcttc aagtttcaag tagaaatttg 420
atttttgagc caaaatccca aggtttacca ccttaaactg ctgggggtca ctggt 475
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<210> 1025

<211> 599

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178214

<400> 1025

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caggggagaa aaaaaatctg ccctataaaa ataaaactta aactcataaa tatagctctg 120
aacttttagat ctaaaacgcc cctcggcagc cgccttcgcc tcacgccgtt cctgtaccat 180
cgtcacgttc cgaagagaaa tcaggatggc agcaaagctt cgctccctaa ggatctgaac 240
caggggtttc ttcttagatc tttgcctctg gagccttttt cttccttcag gctttaaac 300
tgctgctgta gtgaccagtg tttgggagag aacatcagtc ttcaggagcc acgagctgac 360
agagtgccat ccagtgcctt ttccgagaca caaggtgtgg ggcacacgcc atggagcgag 420
gttcggatga ggacagagga ggggtgctgt tcatacagtc tacttcaagt aaaaaaaaaa 480
aaaattcaca gataccatc agctgctact ttatgggcta acagtgtctt aatcggagaa 540
acgaatgctt tgcagacgct aagcacgctt ggaggagtaa ttaggggacc aggtggctg 599
```

<210> 1026

<211> 660

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178231

<400> 1026

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acactaatac aagctgttcc taatacattt tctcatttct tatgatcaat gcttttaggg 120
ccttggttaa caagaacaaa atactttcta atagaggaaa ttaagaggta ttatagaaga 180
gttgtagaaa acatgaataa atcagaggta aatattgtga tttttcaagc aaagaaactg 240
atatacaag tcacctataa agcaacacaa tgacttgta cttagtgcc tgcagtccaa 300
ggttcctgtt gtttcttaga ccagagtctc ctaaccagac agcacacatc caacactcta 360
acgtgactac aaccacgaga caagctctca cgttgtagtt caggcttgct tcaaactcac 420
tgtgcagctc aaactggttt caaacccatg atcctctgct tctgcctcaa catctcaggt 480
gcaggctatc agacgagctt gactaataaa aggaaacagt tctgtcacca cagttactgc 540
taacaatatg caagcagtta agtttccac atagatgata ggcacatgcc aactccaaca 600
tactaaatca gaaaaggcag gcatgggcag acagtgattg gtaagagaac tgttacttcc 660
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<210> 1027

<211> 488

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178326

<400> 1027

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tgcctagggg acaataattg tatattcagt ttaacagaaa taaaagagta tttgtcttaa 60
aatgcaagat tttgagccat gcaattaaat tgttaaaaaa aaatttcaaa actgaaaatc 120
ctttgctatt taagggtctg aatgtttcag ctttttaaag gaaagcagag atgtatggta 180
cagctccctt gcaagagggg attcagattc acagttaaca tgaaaatcat gtagcagacg 240
tgtgtggagc attcttcgta cactggtttg cagcagtgac attcacacag atttcccagc 300
gtcctggtaa gcccggtgtc gcagccttac cttcccacat cgtggaaata caagttcgca 360
catatacaca gcatgatgat agaaaacaag atatatgtaa tgagattcct aaatttcggt 420
tctaagtctc ctttgcgata ccagtagata agtatgcagg cagtaatact actcaaagag 480
atgcagac                                     488
```

<210> 1028

<211> 552

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178483

<400> 1028

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attttgtaat aaaatttatt agctgtctat gtaagacaag ttgaagaatt tgtagatttt 60
ctcaccctaa aagagccaaa cacaatcata tacatctaac atattccagg ataataattta 120
actatgtata atatatggg ccttacaat tcaatatatt ataaatcaaa taacatagca 180
cagtcatact attatttga cagataaacc acacattaag aaatctgctg tgacttttaa 240
aagaaaagggt aaaagttgaa gaatctctaa tctgaaaagt aagacaattt ctattggctc 300
atttttttta aaaaatataa aatgccctt ttagactatc tttggtcttt ttagttaaag 360
agaaaaatgt gtttcatttg ttcttagtct aatcttccat atctaaatgt ctaaaaataa 420
ctcttaagta tcagaatcca gggatgtaag ttttgcttta aaaaatacat agaataccta 480
tggtagcagg ttataatccc acaaaaacct taccatttaa gacgtccctt atttaaataa 540
tggtaatgcc at                                     552
```

<210> 1029

<211> 552

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178491

<400> 1029

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tttattataa aacttgccaa agatcatatt aaaaacaact tgcacctgat atccagatat 60
ggtggcactg ccttgggccg ccctatcact accaggcaaa gagcccaaag tcttacccaa 120
agtttccttc taagctgctg ggcacacacc atggtgatac cagaagagag agcacgatag 180
caaaccccca tgaacacctt agtactattg aacaatgaca ctgtcataaa cagtaaagag 240
ttacagaatg cagagtgaca cgtcgcaatt acatgagcac agcttctttg cgtatactct 300
aagctacagg acaggatgaa cactgcatct ggtcctatag tgatatgtgc aggagaaaca 360
aaccacacag tataactgt atgtgtatgc atccttaggt tctgaggaca atgtagcgtt 420
gaataaaaagt ctagtgaatt tgccacttgt cctgctccag gacagttacc gtcaaaactca 480
acctcactag acttgaatgg ctacaaccag cttatgctcg cacatttacc aaacagagag 540
aaaacttaaa aa                                     552
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<210> 1030

<211> 586
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI178507

<400> 1030
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 tttgctcaca ggcagcaaag aggggttagaa ttttaacttca aacaaaagtt cggggttggtgc 120
 atttaaaaat cacaaaccat tggagttgaa gggaacaaaa gaaaggaaaa acaacaatgg 180
 aagtgtcagt gaccataaca atgtgatggg ataattaaag aaaggattca agtattgtaa 240
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 agaaagaaaag gaaggaagaa agaaaaggaag aaagaaagaa agagaaataa gaaaaggaaa 360
 aaaagaaaac acatcacttg gcaaaactcc agcactctat gtgactcctg ttgaaacatg 420
 cacctatggg actgctcact tagctggtag aagtaggtct aattcagtgg gttcatgcac 480
 tatcccggtg gagcaatgag gtcagcgcac acctcctcgt cagtgtcgca gtaaaagtag 540
 agcaggtgaa gtgggaactt gggcatcact tgacactctc gttggg 586

<210> 1031
 <211> 552
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI178527

<400> 1031
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 gtaaaaacat tttatgtaca atttcagaga aacaactata tagacagctg gaacataaaa 120
 acaggtaatt caaaagtcca gagttacttg ataaactgga aaatattttc tctgtagaaa 180
 atagtaaaaa tgataacatt tcccactaag cccattttaag ccaaataaga gctgaattat 240
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 ttttccgcag atcatttttt ctatagggtg acccattaat tcaaaattca aaaggtttta 420
 gtttttaggt gtcctcttgg aagtagagcc agcatgtcct tctaccatct tgaaatggcg 480
 aattcttacc caatagtga atgtttcatt aaatcatgcc catattttatt acaagccaga 540
 gagtcgtcaa ca 552

<210> 1032
 <211> 603
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI178531

<400> 1032
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 accttaaaaa ccagtatcag ctttttaag ttaacagaaa taaaatgcca tgagtattta 180
 agtatatat tgtaaactta aagaaaactg gtaaattgtc atcctgtgtt ctgcagaagt 240
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 cacttcctgg ctttttagtat aaatttctaat gactgacaga tacattacac ttagtaaagt 360
 caatgtttgt gttttacttt ccagaaattt aggaaaaatt tacagaagca gatatcaaaa 420
 agtgatttaa tgccattaac aatcaattca aattttaaga gaataactaat catatttcaa 480
 aattccctag tctataccac actcctcccc tcccataaag ctcagggaac atggaagaag 540

aggagtgaga gactgtaaga gtcagaagtc caggaggcat ggataaactg acatcttttg 600
ggt 603

<210> 1033

<211> 503

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178533

<400> 1033

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gtccccgcatc ctgggggtccc aggcttcttg actcgccaga catcatgatt cacacattcg 120
caccgtcagt agatcctcca ggaatgcagt tggtgtcac cccaccatca cgcgccgat 180
acccgacatg gcagtagaga tagtagacgc cgtcctgagg cagcgccagc ccatgggtgc 240
gggagaactg cgcaccggtt ctcagaaacg cttcttcttg gctcgcttc cagctgagcc 300
cttgcccgtc catccaagcg cctatgaggt gggcagcagg aagctcgggg ctgaagtcag 360
tttctgggtc ccccaatggc agctgttgaa cccctggatc tagtatagaa tccacagctg 420
gggacagggt ggtcacccat gcagatgcct cccgagaggg ctgtgcaaca aggcgctggg 480
atgtgggatc tagattcctg gaa 503

<210> 1034

<211> 574

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178573

<220>

<221> misc_feature

<222> (1)..(574)

<223> n = a or c or g or t

<400> 1034

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agccagggat ctatgaggct gacttctgtt ttcattgatgt caccatatgt agtatgtatt 180
ttgtctcaat aaagcatttg taccgatggc tctggaggca gcggtgctga ggatgagctc 240
actgctggga gtcggtctgg aggaccact ggagtgaag ctgggttggt ccttggaacta 300
gcttgaacac tgtaggcaag taagtcatgg acggcacctt ctgcctcaaa gtgttacact 360
ggaccaatgg cagtgaacat gtgttcatag ccagacattt tggacattgc taaaatgctt 420
gactgtctga gatctttaag gaaatgtatt actttaccct nccagcttag gctgaattta 480
cccaagtatt cctagtcctc tagtcccagt aacacactgc cctccaatcc gtcttggtta 540
cccaggagg aatgaaagaa agggtttgtg acat 574

<210> 1035

<211> 635

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178602

<400> 1035

aactttttat agctttattg attattaccc aaatttcaat atatttcaaa taattaaata 60

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ctgcgaaggg acattaaaaa tacaaaactaa tttaccaaaa taattgtatt ctgagtatta 120
tgtacaatat aatacatttt acattacata tggggctttt atacataaag atgagatatg 180
atztatgggt actggaaatc caaacaataa ttgaacagaa catttctatg catacaaaaca 240
caattgctca gctgtgaaaa tcaaaacat acataagtgt ggttattaaa aactaaaact 300
acattcacct gataataaca gaaaatgaaa ttgcttttat tattttgaaa gtaccacaca 360
cagattaact gtggcccat tcatgtgtt aacaatatcg acgatctaaa ctaaaatatg 420
tgctcatttc ggggaaaagt ttccaatttg cgttttcttg taaaggatgg atattattat 480
tatttatagc cattagaatg ccttgttcat aggccaaagg aggtcaattc tgggtaaata 540
gtaaagccac taagggtggg gtgcctatca tagtgctata gatattttac catatactct 600
taaaaataat catattaaac tgtagctttg catgc 635

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<210> 1036

<211> 438

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178629

<400> 1036

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aactgttttt cttttattgt acttagaagg tatccgtgag ggctggctaa gtgagagggt 60
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ctcctaagac tgaagtagcc ccaggtcctt gagtctgcca gctcctcagg gccgggagga 180
tgtctgcccc gcagtgatca agagtggcct ctcgggtactt gtgcagcagg tcaactgacgt 240
cagtgtcttc cactttcacc caaccgtctt tcttcatgtg gtacatgttg acaactcctc 300
cagaatagct gtctctgtgg gtagcataaa caatagctct tcgggcaagg tcataggcct 360
cctcgggact gaaatcctgc cgtaccac tgtccataac cccgtaggca taggtgttcc 420
cgctgcctgg ggaaaaa 438

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<210> 1037

<211> 501

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178635

<400> 1037

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aaaggagtga atgttttatt ctttagtggt taatagaata cataacaagt cacacaatca 60
atgattcatt tcttcacaca cagcaggga accggcagag tgtttccatg acacaactgg 120
ttgtgagtag aaggaacgga acagcatttg gatggatgaa gacaatttca aaagtgtgag 180
cacctctgaa aagatttcac ccatgtgttt ttgtttcctt gctgatatgg aggggctttt 240
attcttgggt ctatgtttca ctagaaaagt gggatattag gatatttttc cactgccct 300
tagatttcta agaaagagct caaagatatg tatcacctag caagtgacgt ttttcaacat 360
gtcggaatcc aaataattac tacaaagagc aagttttcaa ataccagaa aatttaattt 420
acatgttcaa aatgtatgcc cgtgatggat gtttcaatcc tgtgtcatca aatggatact 480
aaactggtcg taatgaaaga c 501

```

<210> 1038

<211> 487

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178734

<400> 1038

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caagtgaagt aaattcaatt tttattcttc tttacaatac atggatatgt ggataaattt 60
ttctttttaag agcttgcaac cctgaggcaa tgctgtgggc acataatgga taaagcaaca 120
gtgaatggaa tctgaatgtg gtaaggacat ggacttggaa aacataattg aacatcgtga 180
aattgcagtc tatgctttct ctgggtctctt aaccagcta tctctcagcc atctcgcaca 240
ctagacatcc tgactctacg tacacttttg tcatatataa tggcttcctt ctgactgaaa 300
tgtaataagt taacaggatt tgtatctaag gggctctttat ctgggggtgtg tattgccaga 360
agtgtgcccc attttggacc acataaaaaac tttggcccc aaggaagctg gctgccatct 420
ggctgtggta accgtgaggt ttccgagggg cccctgggag ccccccacagg ataatttttc 480
atccggg                                         487

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<210> 1039

<211> 587

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178736

<400> 1039

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ggccatttca taatttcatt cttttttaca gttatctcaa aatgtaagaa ttagatctga 60
ttgaaatgct acatttagta agaaaatcag caaggaagtg taacccaac atgacattat 120
ttgccaatca gaccagtggg ggtcctccgg gttagggcag gagactgact ggatagacca 180
ttagaggaag gagccatgcc tgagaaccag agccagccca gagtccaccc tgggtcacgg 240
cagctgaggg agctgtttta gagtatctat gaccatgaac acagtacaat ttgaatatcc 300
caaaaaaaca ttattgcagg agccatggca gggcaggcaa aagcccaccc agtcccaagg 360
gaaacaggcc accactacag aaggggacca caagttgatg atgttcaagg caagtcaaca 420
tcagggctct ggggtccatct cattggaaaa gggccttcgt gttcgtgttg ggacggagca 480
tgtgatgtc tgacgcaatg ccgtggctga agtccagca cagcttaca gtcaggaagt 540
agtttgtgca gatttcctta cacgtttcaa ttattagtga cccctat 587

```

<210> 1040

<211> 563

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178740

<400> 1040

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aggatcgcta ttttattgtt gccctttccg ttacatgaat gcacacatca ggtgttaaag 60
gtacaatata ttctacaact gagcaccact ttctgtaact caacaggcaa aggatcacac 120
tgaacatcag catctggcag tatttttggg aaaaaaaaaa tgactaaaat ggggtttaa 180
tgattaacac tattaatatca catctaatat ttgatactac atgattcaat acagctatac 240
gatacaatta tacaaaatgt gttaacatca aagaatacaa ccaaaattaa gatagcaaac 300
aaaacctata taactttttt ttgtacagga aaaatacttt tgaagtatgc atgtaactgc 360
ccattctttt aaagaaaatc taccgcaagc aagtcgtcac cctccagaaa gtcacacagc 420
attactaagc atatcccaa aaagtgtaca atatgcacac ttggaaaata caaaattaaa 480
aaaattgtaa gcaacagggt agcttcgtat ttataagaat gtgaaaagaa gtcccatttt 540
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<210> 1041

<211> 656

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178741

<400> 1041
gagattcaaa ggctttattg tagcaacact attatatgtg cccattccc agctgggggt 60
atccctagcc agtcccacat gttggtcctt gatactgaga acattgtggg ggaggagag 120
aaccttgaaa cagttggagg gaggctattg ggtctactga gggttagggt tatctgaatt 180
caagggttca gtgtggtcag ggctgaggac acttggaactt aggctcaaga ttgaccagg 240
tattaaccta cgttccaagt tgtgtggggg ctgaaaaatc tttagagctc aagatttgag 300
gatgtcttgc cttagggcct agctttgaag tatggaagac catcgagtcc cacatttggg 360
tcaggggagt atcttggggg ccagttttga gattggccac agatgctgtg gcttagaaat 420
ccagtttcaa ggctggatgt aagcgactga gtctcaaatt gagggctgag gaagcctgtg 480
gtccctcggg gacgggctag aggctaagag atgaccagtt tggggctgca gtgagcagtc 540
acaggtgcct tttcttgagc aggccagagg gctctaggca cctgttttaa tgactaggaa 600
aggtttggtc ttgggtgtgg ggggtgggggt cctctagatt cagagtataa ttgcca 656

<210> 1042

<211> 542

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178746

<400> 1042
aaaaatagag tgtctttatt ggtacctgtc agctcaggta caatgtgttc tcacaagcac 60
acaggctggc aaggcctcct gggcaaggag gcaggcccag agcctgcgtt tcttggcaca 120
cacacacaca gagaaatgaa taaattatag ttctgacact tagagacaat ataaaaatgc 180
atataaaatc caacatcagc taatgaaggg cataaaagcc cccaagagcc acctctttct 240
tgccaactgg ccgggggggtg tgtggtgggt caggatggat tcagtgccca gaaaggctag 300
agacagtgat ctgggggtgtg cttcatgtct tagggcctct ggctcccat cctacatagg 360
gcctttataa cccatggcct tggggagagg gaaatggaca gagggcatgt tagagcgtct 420
gggcaggggg cagagggagt tttgatcacc gatggtcaag cacagcctcc gtctgctcag 480
ctcgaaccta cacgccacac cgaagcccag accggcgggg gacaccgaag actttgcctc 540
aa 542

<210> 1043

<211> 485

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178756

<400> 1043
atatacacia ccacatacag tccaaacagc acccagcagc cataaagact cctgggggta 60
gttaagcctg agtttcataa ggatagtaaa cttaaggagg ccacgaagcc tgaagacaaa 120
ttcaggacag gaaagggcaa aacagccagt tccctgggtg ctttctcac tggaaaatca 180
aacatgtatt cttactccaa cagtcctgtc catgtttgca tgtcaccaca cttagcaaaa 240
cacaacgaga tcatatatga ctagaactaa gtgcatagaa cgctgtcagg atcactgctt 300
gctcttcctt tttctcagtc tttttttccc agagctttca ggtgctggag tcttttgtgt 360
gtcttctttc actggtgaca caggcagttt caaaatgatt tcatcatcgt cattgatatt 420
catcaactgt gatttccgtc tttccaaaaa cgttgggtga caaactggcg taggatcctc 480
gtgcc 485

<210> 1044

<211> 687

<212> DNA

<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AI178784

<220>
<221> misc_feature
<222> (1)..(687)
<223> n = a or c or g or t

<400> 1044
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tatatacata gtcattaagt tattaattag tctctgtata aaacgtttct acattagtgt 120
tccgagctag gccagtcag tccttggcat attcacagta gcagccctag ggcttggccc 180
atgggcgggc agtgaggagt ttacagaacg gccagcccag cagtgagcac agatgtcctg 240
ggctgtcac cctccagtc ttggtccctg tcttgacata ggaagaacag ctgtcagtg 300
caagggcaaa aagatcccat gccctaattgc tacctggtgc cccaggctct ttgtgcggtg 360
gcttcaggca acccggcaag tcttagagaa tgctggccag ctctgtggag tctgtatccg 420
agcagcctga gctgtggct tcatctcgta aagcctgcag agctttcttg ttctgtcgcc 480
gcttctctc atcaatgggg tacagcttga agagcagcag gccagcagg atgaggatga 540
taggagccat ggtcaccagc atcttcagtg taaacttgac ctcttctggc tgggagcacc 600
cctgcgtctg gtacttagca nagtcgagac tgagggtaga gacaccaggt gagactccag 660
aggcaaaactt ggtgaagaag acataga 687

<210> 1045
<211> 562
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI178819

<400> 1045
accattaat cagattttatt atcaattcaa tttgaaggca attttcaacc ttttaataagt 60
tatattcata tctgagattg tttaagcttt ctcatggaga aaaagaaacc aggcagcagc 120
tagagctgca acccaagttt tcttctgctc atccttaggc atttgtactg tgtggaccga 180
gtgactgggg ccaggtcttc tttctatgaa acagagtctt actgtgcagc cctcgctggc 240
ctagaactca ctgtgtagac cggctgctgc ctctaagat ctgagatttg gttgatattg 300
tcctctagct gctctggctc gttactgggc agctgatgca caatttcttc tttgtaagat 360
gccatggctt ctcatagag aacttgaaaa atctcacact gaattattatc ttgtagtttc 420
ttctcgtgat aacccttgt ttcaagtcgt ttgtacaata taccattgtc tgtcctcaac 480
acgaacacta tatggaacca gcgttcagga aagaaatcac aaccgtggta atcaacgatc 540
acgccgccct ctgtcatctg ag 562

<210> 1046
<211> 603
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI178828

<400> 1046
cagagagtaa acggtgtcat catatcaact tggaaacagt tcagacaggg cccggctgtg 60
ggcctagggt aaatgtggct tttatttctc ctcaaggaaa gaagtaaagg gtggctttcc 120
caggtacccc aacctaaagt aaggtgggtg tgctccagag gttggggcta gaattgccag 180
atcattccga cagactctc tgtgtccact cgctggcgct tgatgcaggg aggggtgtagg 240
tgagagtcac tcccctggag tagcagctca gtatcaacag aggcacaagg aggtatgtgc 300

tgggtattcac aaaatggaag gcagagcagg tgccctgagt gaggagcagg actgggtggc 360
 cgatccacac ccagtgtctg ccgggtacaa ggccctgactg ctgtggctct cctcccaagg 420
 gccccagggg cccagaagca tcaactgcgtc ctatggctgg tcccttaa atgtccatctca 480
 aactgtgact cttcaccacc tgcccgttta tcttcggggc tgctgtgcag atggctctgg 540
 ctggcctgca tgggaggctc atcgctggta gggctagtga cccctggaat gggtggcaag 600
 tcc 603

<210> 1047

<211> 380

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178850

<400> 1047

cactgcaaat tgtttattaa aacacaaagc aatggacagt gaaaacatcc tgactttctta 60
 ctttttgggtg ggagtgggtg gggcatggaa gggatagaga cggatggaga cagcccagaa 120
 ggagcgacag ctctacctac ccctgctgct ttcctggcca gccaggttca aggtccctca 180
 ctacaccttg ccacgtgct gtagatgcat ggcgtggccg agtcaggctg gcctcgagg 240
 gagagatgga aagaataaag cgctacaaag gctaaggact tgacgcctgc tctccagaac 300
 tggattccac acaaagcagc caagttcata ctgaggggaca agccaggctg ggccaacagt 360
 ggttgaagag gctaccctga 380

<210> 1048

<211> 309

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178868

<400> 1048

tttttttttc aaactttttt ggtgttttta attccaaact ctaatgtgat catcctttac 60
 ctataactaa ttcttcaagt aaggtagttt ttgttttggt tttcttaaga gggaggggag 120
 gcagggatga ggacagtagt tgagtttgga gagaggcaac ggtgacggga ggccctggga 180
 gtgccagatg gccactgcat ttctctggaa gcagtcgaga accaagatgc caatgcaatg 240
 gttttctctg agtcgcaagg ctttggaag gacgagtga gtggcttggg agcaacagag 300
 cctcgtgcc 309

<210> 1049

<211> 340

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178872

<400> 1049

cacttgatg aagttcaacc ttatacaatt ttaagggtgg atgtttggta gtgtatctag 60
 aatctttaaa aagttgagtt tttggaatgt acagtatatg aggtaaaatc aagattacat 120
 taagaattgt tttctcctct gcactaacat tgcaatgagg ctcaa atggc aagtaacta 180
 ttaaatgaca ttactatca aaaataggag ttcatttgaa ttactatgaa taacataagc 240
 cactgtgtgg cacatttcac catttttagac attcaactct atagaaatct ctgggctctg 300
 acactcataa ctcatttgta ctgccaaatg tggcacttaa 340

<210> 1050

<211> 633
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI178944

<400> 1050
tgtgtttttt tttatttttt ttcttttttc tttttctttt tttggagaca ggatctcact 60
atgtagcccc taggtggcct gaaacttgct gggtagacca ggctagcctt gaacttaaag 120
aaattcacct gcctctgcct ctggagtgtc gggataaaaa gtatgcacca ccatgcttgg 180
cagtcctgga atgcctaccc cctggccacc atgacatagg tagaaaagca gactgaatcg 240
ttcctcgctg gcaggtgagg gtctcacaga tgaactgaac cagtagatgt tctgcacctt 300
ctgtgctaca ggaagagaac tcagagctgc ttccaaggct ctgacgctgt gtgcagggt 360
agaggccaat ggtataggag cgaccagtag ggttgtgaat agaagaacag actggcgctg 420
tcaccgcccc ctctgtaccac accttcttag aattgctgca tcgccagaaa cgcacacaga 480
tgttctggcc ttcatgcacc gtgatgggct gcttgatggg gaagaagatg gggaaccatg 540
agaacatgcc aggagagtgg gtctctgggc ggatactcag agtgatgtcc cggtaaagca 600
cagtttcaaa gtagcctgca aagccatgaa gca 633

<210> 1051
<211> 570
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI178968

<220>
<221> misc_feature
<222> (1)..(570)
<223> n = a or c or g or t

<400> 1051
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cagcaaagca agttaaaaac ttcactcatc aaataaatga taatttaaac aagaacttgc 120
taaagaaacc tcatcacaaac aatgctttag ggcctgatca ctttaagtcca cagggccatt 180
atgaatttaa atctgcaagc cgttttccta caacaagagg gaggaacatg tttccttgac 240
tcaggtgaca cagaaaagaa atcatgattt ttttcttttg ctgtaacagg cagacattga 300
tttcttggtg tgatcaggaa agatggaatg actggtggcc ttctcttgct gctatcaaca 360
gtttgtcacg cattatctca atgctcgagt agtccggtaa ctttaagatag ttcacacaag 420
tcattacaga tggttaagaag tcactctgggt tttctgttga ttcaaagtgc ttccgcacaa 480
tcgtcagagg tggatttaaa ctccgaaatc ctccgactgg caatcgtggg ctaccagtca 540
caaactggag aaacaacctc tctctgtgcc 570

<210> 1052
<211> 445
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI179093

<400> 1052
cacaccaga gtacatgacc tctgtacaaa gaaaaataga aaaggtctgg acgatcacat 60
ttgtttacgc tacataattt agaataaaca ctactgggtg gggttttctg ctttgtaacc 120
taatgttttt agttctgctg catttggtggc acgagatctc attttccttc cttacaggta 180

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aggacattgg cagcagcaac attacaattt aaagggttaac aggttacaga tgtcctaact 240
gtactgcgaa agatcttttc ctctccccc tcccccttca ctctctccat gacttcctga 300
aggaaatgta ggtacttttc catgggggtgg cccgttttga gagagcacia agacaaggta 360
acatagtctt agttccctca cactcatctg acaagctgct tactgacact caagacagtg 420
tcttaggcct aggacagcca ttttg                                     445

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<210> 1053
<211> 467
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI179099

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<400> 1053
ggaccattta aaagagaaat ttattgcctc aatattcttg gggcctggaa gttcaacatg 60
ttagcagggt gctttctcct gaggccccct tccttggtgt agacggccat ctttctctgt 120
gttcacatgg tcttcacttg attctcacct ttgtcctgat ttcttctgag gatagcagtc 180
atatcagatt aaagcccatg ctaaggatgt cacttaggta tttatttccc aagacaccaa 240
gacagtcacg ttctgaggtt gtgggaactg ggacttgaac tgaagaacta aagctacagg 300
atttgcctct taagagaatg gaaatgtatt tattgagata atatacttaa tagcccaaatt 360
gaacaaactt actgaaaatt ttaaccataa ccgagtaaga tgtataatag attcaaattg 420
cttataaata tatattatga tattttgaag tgccttttcc tcgtacc                                     467

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<210> 1054
<211> 429
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI179100

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<400> 1054
gttatggaat ttcttattaa taccttaaaa aatttaaaaa cataaaaaaa ccccaaaatc 60
aaaaaaciaa aaccctctca aatgcttaag atgctgaacc tagagaagga gctaaggatg 120
cagccaaaag gaaatgattt aaggacagag ggtgaataaa gagagcaaag gtggaagacc 180
atgatgtttc aaagctggca aggttggcct caatttcttt tcttctgtct ggatactggg 240
tctgcttcta ggtaccggag cccaactagc ataccagga ttgagaaact tgctaccatc 300
aagggtgcca gcacaccaac tgtgggagcc gctgttccaa atacaaacia ctccgagagg 360
aagtgtccca gggcaaggag gaatgtccac agtgtgatgt gataaagtgt tttgttgggg 420
atgtcaatg                                     429

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<210> 1055
<211> 632
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI179144

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<400> 1055
acaactttat tggcaaaaag gggagaactt caaacatctt tcatacaggg cgctgtagct 60
gacctgttg gattgaacia gtcccagtc catgtccacg tacaatactg aacctgcata 120
tgacgtttcc cattctcatg tccacgtaca atactgaacc tgcatatgca gtttctctta 180
tcaagtacag tgctcacttt tcaggtcgtc tctaaaacat aaatacaaag gaaaggaagc 240
cactcattaa aaactgcac aaacacaagt attttaagtg tgaatttggt gttcctggaa 300
attacacatg cccaaagaaa acaaaagctg gaaaagcggg tacacttcct acatgagtgg 360

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acagttacaa caacaatcgt cttctgtaat gagcattttt aatttatcac caactactct 420
gaacttacta agagctgtag tcagagtcag aagagaagac gcagggagag tattcctttt 480
ggaggacaga gtcctccag aatcatcacg gggaaataaa catcctgttg attccgggtg 540
gcaaaacaat taacgttgtc aatctcagtt catgttgatc gtactgagcc gacctaatt 600
tcttccttgc cgtcattctt ctaaatacaag tg 632

<210> 1056

<211> 261

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI179167

<400> 1056

tcggtgctcg tgtaagggtt ttcttttccc ctcaaatttt atttcaataa aaggagactt 60
ggcgagggtg gattcccat agccggattc tccccctccc cccgagggtg gctaattgcta 120
tctggggatg tcttcacagg gaagagagaa ctatgggtgg gctcctgcct gaggtctcca 180
ccctcagccc agcggacata tcacaggcag cttaaaaaaa aatcctaaaa aaaccaaacc 240
acacatttaa atcctcgtgc c 261

<210> 1057

<211> 566

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI179206

<400> 1057

tttttttagg tattaacat tttattttta gatcttaatg taaaaaaatt atacaaatgc 60
ggctacatta tagtgaacaa ggcagtgttc tacatgacaa aaatcaaac aagtttctaa 120
ggtgagtacc gacaacaaga acacaggact agatatccat ccagctacac gtgataaccg 180
atccaaccac gagcttatgc aaggtaagta atttctatga caccaagtgc caatcactgc 240
ccgtccacac tgcattcccc tggcaggatt ctgagaacat ttccataaca tacagatttg 300
gcatggctcg gaaggacaga aaacgagaac tgaactaaaa tcattgtaat aattctgtat 360
aaagcatata tagtacgttg tcttattagt tatcaacaac aacagaaaga tttaaaaaca 420
aagaccacct taattatggg gagaacctca tcatagaaaa atgttcatca tttgtatggg 480
attggcagaa acggataagt tttgttgggg atgagggcag ggaagacata taacttgaat 540
ttattcatct aaatttgcct cgtgcc 566

<210> 1058

<211> 541

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI179236

<400> 1058

gctgtggatc tccatggtga gtttaatgtt ttccggaaag agcaaggtag agcacaggag 60
gcagcagcct ctgctgtagg cgcgccacg gaaagcggct tggagtgtct gaccagcaga 120
agcctcttcg gaggcggctt acgtacacac tgagctccag aaggagaagg atcctaacca 180
agggccacca ggaagcagca agcaaggcct agttggcaca aagcagatat ccagtggccc 240
gggccctggg gatcaacctg gggtagatg ggaatgaac acagattctc tgcaatcaga 300
gagtcagccc cgaggccatc cctgagtctg agctggcagc gggatatgaa tttcctgttt 360
cctcttctac cacttaggaa gatcttttaca cctccgcccc cagctctggg acccaaagga 420

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agtcacctatc acatggccat aggctgagag gctgtgtcag ggctcggcag gtctatcaga 480
ctcaccagct cacataacca catgggatgc tgaactggga aggagcggga cacagggcgg 540
t 541

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<210> 1059
<211> 547
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI179264

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```

<400> 1059
aaattttctcc aaatctattc atgggacaac agatacacat ggggtataaat aaaatgctca 60
tacaactagt tagtgtggtg agttcctggg catcctaaca ggcccgttaag caaaggctgg 120
ctctccccta ctctttttta tgtgaatata gacaggagtc cttgggctga ggacacccca 180
tactctcaca cctaacctga atacctgccc tgtaagatga tcgaagaagg gctgtgggta 240
gagagccatc ctccactttc tgtaagattt gcttgcagga gaaggctcga gcctgagaag 300
ggcatctctg aagaaagatc aaggagtggc cagtgcgggg gttgctctgc ttgagccatg 360
tggttcaggc aggaacatt gctggggggc aggaatgtat gttctgagct ctccaactgg 420
tttgtgctgc ccattggtag ctctggctgt agggcagaca gttcggctg atgctgggtcc 480
tcgctgggca aggcacgaat cttgcggtgc aacacaacat actcagcggg cacactcccc 540
ctcgcat 547

```

```

<210> 1060
<211> 493
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI179300

```

```

<400> 1060
ctagatttaa ttactttatt aaaccgacat ttctgtaatc aacaacaact acttagacag 60
accactgct gtctgattat gtccataggt caggggtggt ctgcttacgc atttggtgcc 120
tcataattaa gttcagctaa cactagggcc tatagtttgc tgcagtgag accaggtctg 180
gtcttgacag taaagccacc atcaaaagct gcattgagaa ctccatccag gcagctcgct 240
gtgacaaaac ttagatcctg tttgacgttg cttgggatct cctcgaggtc cttttcgttc 300
ctctgcggaa ttatgatatg ctccagtcct gctcgggtgt ctgccaggac tttgtcttta 360
attccaccca ccggaagaac aagtcctctc agtgtaattt cccagtcac ggctacatct 420
gagcgcacaa gccgcccact gaagagttag gcgagacaag ttactatggt aacaccagca 480
cctcgtgccg aat 493

```

```

<210> 1061
<211> 632
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI179381

```

```

<220>
<221> misc_feature
<222> (1)..(632)
<223> n = a or c or g or t

```

```

<400> 1061

```

```

tacaaaataa tttattacag caaacacagc atcacaagac tatgtacaag cacaagcac 60
ctgactaccc tattaaggaa ctctcttctt cccccttgcc ttacggacct cttctatcag 120
gtctttttaga tactgaatct ctttggcgag agaatctgcc ttctctttca gagcctcggt 180
cttcttttct agctctttac actcgccagt gagggcttcc tgctcagccc tcttcttctg 240
gcggtaccta gtagctgctg tcttggtttg ctccatcttt ttcagcttct tatccaactt 300
ttcagtcttc acttttagctg tcacactaac tccaggtggg tcataagggt tgggtcgaga 360
accacgagga acacctggag aaggcagact gtctgggtggg gccctggagg tgggaagggt 420
gtgttgggga gagcccaggt aggactcagg gctcatacag atgccactgt cactatcaga 480
gggagtgtct tctctcttta cacactgaag ggtagagta atataagcag cagagtcagg 540
cttctatctt ccttcagaga tatcaacctc acttcncagc tctaaactaa aggaatgatc 600
tggagtggaa gacagaaacc tggggaacaa gg 632

```

<210> 1062

<211> 450

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI179415

<400> 1062

```

aagtgcgagg cagggcacgg atggggaagg tctacatctc gttcaggtcc agcaggggtct 60
ggtccagcat cctttgtgta cagagatgct cctctttggt gcacttcage ttatcttcca 120
agtcacatcaat ggtcttttcc agtttctgca aagcagtggc aaggcgctcc tgggcgcggt 180
ccagctcttc ttcaaccagc tggatcctgc ggttcaagga ggccacctca gcttcagcct 240
gtccccgggc ccgcttttct cctccactt cccgctggag gcgctcgcc ctctctctcg 300
catcatcagc ctgctgctgc agaacctgga tcttgcgctt taccgcctcg atggtggtgc 360
tcccggccat ggtgcctacc cagctgcttc tggaaatcag gttcctacct cctccgctcg 420
gcgtttagc cgcttttcac cctacttccg 450

```

<210> 1063

<211> 490

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI179498

<220>

<221> misc_feature

<222> (1)..(490)

<223> n = a or c or g or t

<400> 1063

```

ggccaaagcc atcctcatcc agatttattt cctttatgat cattaagact gtcacttaaa 60
caagtagtca aaaatacata aactctgatt ttatagactc taaaacatta aggtacaaaa 120
agtaagtaac atctacaatt agcagaacat ttatgacata taatttcag tataggaaaa 180
caggtagaga ggactacaaa taaattataa cctgaagaca tactataacc tgaagacata 240
catataaaaa aagccttggg ttatttatta gaatctccca gaaagggtgaa tgatgctagg 300
acactatcaa caatgtgagc acaatctgac agcattttct tccacttcta ggctgtgcta 360
ctagcttaag aggcactgga cacagccagc ttcttcaa atgatccatgaa cacctgcagg 420
ctgacatcgt ctgtcaggat gggcgctcca gtttctgtgn cccaagcata caggttattg 480
tgtgtctgag 490

```

<210> 1064

<211> 368

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI179519

<400> 1064

```
aaacccctca atttttagcag cttttaattt ttttaagaaac tgaacctata tcctgtaatg 60
ttaagatatt ttatatatag ttttcagcag gataaaaaaa cgtaagacta tttgaaggca 120
agaacattta ctccctctcat tctgtgtaag gagagcaatg cagcaggtgc gtgacaaaaa 180
tattatacac tagatatggg ccaaagtcac tccgtttgct tgtttaatga tgttcaaatt 240
tcattggcca gttcttcctg ttctgcagaa ctatctccgt taactgtgat cttcatatcc 300
tcttcatatc caggaggcat gaaagccaga gcataaggga aaagcttatg acaactcacc 360
ctcgtgcc                                     368
```

<210> 1065

<211> 322

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI179539

<400> 1065

```
gaattgaaca ccaaaatttt attaaaaacc agtctcacat ttcaaagtgt atcttacaag 60
tgaacagcgg ccaggtgata taaataagga ggaggaggag gaggtcactt ctggagaaat 120
caaattcctc aggacagcag tgacacaaga gcacccagga acttgctccg gtcctcagct 180
ttcagctcaa ttactgagag gtcaaagtag ttgtgtagag tccgggagct ggtgctttct 240
gctgccttct caaatgcccg accaaaaaag ttctttctat ccgagctatc agtctctgga 300
gggatgccca ccacagtcac tg                                     322
```

<210> 1066

<211> 564

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI179570

<400> 1066

```
ttgaaaaaag gttattttta atggatacaa agttgaagtg tgaaatgttt tcaaaataca 60
tttctacaag ttacttctta gtgaaagagc aagtatttgt tagcaaaagc agtaaaactg 120
aaggggatta gaattgtggc tgcaagacct cacatgtaca ctgccatcct tagatgtcag 180
ctggtcctaa gtggcaccct taactcacia atgggactca cactgaatgc ttgggaattc 240
cttccttttt gttgggtttt gtttttaaat ctttctccaa caaaactaat atcaaaataa 300
gccaaacaaa ggaccgcacg ggtccacttt aaagtcactg acacttttcc tcgtagggac 360
ttcacacagt gaacttcctt gactgtcac agtgatgcga cgtgaagagg caaagtgagc 420
aaatgcatat cctttgtaat tgataaccat tcttaagctt cactttattc gtcctattga 480
tttttggcct gaattaaatg taaatccctg cctcatcatc aatcaggcac ttcctcctgc 540
agcatatgga aacacacagc tagc                                     564
```

<210> 1067

<211> 613

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI179610

```

<400> 1067
attagataat gccatttatt atttcacaca gaagttagag accaaggtta caattattaa 60
ataccaccca cccctcaaaa gacagcccta cttggttaga ataaaaaac aatcgatata 120
acaaaaaata ccattacact ggtagaactg gggaaataac aaaaacaaga cagaaacaca 180
agacagaaaa tctctgcaca ctgatatcaa agtggccatg acgctggggg aaagcagtca 240
tggtcagtca acatggacgc cgactaccaa gggcactggg ctcagaacag ccgcctctac 300
cgaccacagt tctggggctc tgttgcagga tttggggctg ctggtttcca agttcaggcc 360
cctggctgtg cttttggtga gggaaatgtg ccaggcatct cttccattc cagagagaca 420
aaggaagaca caggaagggg gcgaggaacc ccaaaagctt tcttagaggc ccaagaaaag 480
agagccaggc aagattctcc cctgcagaga gaaggctaca tgagacagag ttcacagcct 540
ctggggggcca acatgcatt tacatggcat aaattccac tgccacggtc gccaacagga 600
aactgagtgt tga                                     613

```

```

<210> 1068
<211> 531
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI179709

```

```

<220>
<221> misc_feature
<222> (1) .. (531)
<223> n = a or c or g or t

```

```

<400> 1068
ggggttttat atttattgca actacaactt ttcaaagaac gttagttatt taaattttgt 60
tcagacatgc ttaaatatat acaaaacgac agtctctaata cccttgagga gaaggcggaa 120
cttcagtgtt cctcatcggt tcaggcacct cgccttggtg caagcatttc caggcggcct 180
ttgagtgtca gttctgcagc actgcttctg cagcgcagcc cctgccggct ggctcgcggg 240
gacaggctat agcccgcggc tgtcagcagc acagtcctcg ctccagtggg catctcgtct 300
ctctgccacg agtttgatga actgtgagtg actggcatac agcttgagct ggctcgtgat 360
gtccacccac ttcaccttcc ccgcacatc tccagcctcc agcgtgaggt tgtccatcgt 420
ctcncctgtc tcatcatggt agttcactgc ctcatgtctc atccatgcgt tgtcagtgtt 480
ccgagggtcg tcgacatagc ctttatatat cactgagatgc tcttggtgta a 531

```

```

<210> 1069
<211> 444
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI179750

```

```

<400> 1069
cagtttcctt aaattcacat ttataagtta gtcttcacag ttaatcctgt tgggaataaaa 60
aagtaagtga acatatttct gcttttcctg cacataatac aattatattt taattcttga 120
cacgaatggt ccatgacttg aattttctga aggggtgaca ggccatattt ttggatcacc 180
tgccactgct ggctgatctg catctctgtt gggttggtt ttgttggtt gtttattttt 240
gagacagggt cttatttatg tagtccattc ctgtttcaaa cttcctgtat tgctcagggc 300
aaccttggat tcttgatcct cctgcctcta cctctcaagt gctgggataa catgcttaaa 360
ctggcccagc tgaataacat cttttgttta aatcctgtca gccacctgga agatagatac 420
cttattagtc ccatttgcag atga                                     444

```

```

<210> 1070

```


<211> 577
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI179857

<400> 1070
cagacgttta attagcttta ttacagagc aggtaatttt tttttttttt ttgcagtcctc 60
caatggtgcc taggtaacat cattaggcaa gaatgccagt ttaaaagaaa tttatgcaga 120
atcctaataaaa tgacaggtgt ggacgctcct caggaagggg cgagcgtggc tggcagctcc 180
tgtgcctcag ttactcagaa gcagttctgt tgcagtcctc acatcccatg attttgaaga 240
ccagggtcccc tattactgctg ttctatcaa aacccatagc acagagggtt tctatttttt 300
tgggtgtattc tggactagac actggtgctc cagcatacac gtgtgcccac agtcgagctg 360
tctgcttgaa catttcagga ttttgtttgt actgatttgc tactactgca tcttgggggt 420
catctggttc tgcagcggcc agcagtgctt gcaatgacaa taatactgtg cgcagagtca 480
ttgctgctgc ccattgatct ttcaggatat ccaaacaatt agcccctgtg acggaactaa 540
tattagggtg ccatatttta gtgataaacc ggacctt 577

<210> 1071
<211> 458
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI179870

<400> 1071
acttatttga aaaatattta ttggccttgg gatgcagggc tttcgtttta taaagggttc 60
aaaagtgcac aaaagccac agttcaacag tgcaagccac tggcacaacc caaccggag 120
ggagagtcag tgcccagtac caaaaaccga ttcattttta attaaaaatt tcaaagttta 180
tataagttaa gctgtaaatc tattatcaaa aagttttaag catgtaagtt gcctctaaat 240
gacagggttt taaactgcaa atctgccccg agtggttaac ttataaactg gggccctttt 300
aaattttaca tattttaatt atccaagaag cagctgattt caagtcctgt tcaaccttcc 360
ttttctgctt ctgctctggc tgaaaactga gaaggaacct gagctttagg tagctggaaa 420
attcctcccg ggtgtggctt tatgtgaaca tttaaagg 458

<210> 1072
<211> 568
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI179953

<400> 1072
gatcattaaa gtttggtatt ctattaaaaa cttattttaa ttttaaagta tacaaaataa 60
tcatattttta ataaatgaca tttaggagtt tacaaaatta tatcagtgac aagcatgaaa 120
ccacaactct tattttattgt tacagaatgg cttcccaacg acattcttgg caggaagaag 180
tgtcccctgt tggatttgtt gactgtcatc ttgtggacaa cacatcaggc agaatgacaa 240
tgctaagggt caacttgttc tagaaaagtt acacattgac ctaaaactagt ttcttctatt 300
ttttccaaat atcaacattt ctgtttccag tttagaaggc aatgctgaaa agggaggcaa 360
acagacattc aaagtagaaa aactcagttt taatcaacag gatttagagt ctagaagttt 420
catcggttct ttgaaaacca ccccatcttg tttctgcacc attaaattgt accatggcag 480
tgaaattccc aagcaaactc atgaagtctt ttgatactga ctgccacatc ccacagctac 540
agagtagacg agctgggggt ggagggggg 568

<210> 1073
<211> 597
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI179979

<400> 1073
aaatgatcaa agagatcctt tattttaatgt agacagccta gtaagtcac aaataaattt 60
ataatagtta gatgcctctt aaatatacat gttatcttct gaagctaaaa gtaatatgca 120
ctcaaccagt ttttaaaatc tttttggaac attaaacatg ataaaagtag aaaaaaaatc 180
tcttatgaag tcctctacga aaggaaattg tgacaagttc ctgttaagac agaaaccatt 240
ccatctccaa gggagaacaa gagaaacatg aatatgaaca gaaacaccta cttcctgggt 300
ttatcctagg tagaccaact ctttacagtt attttctgtc ttccctggat aaataagaat 360
cccttaacag cagcccgga attaaccaat tccagtgaag accctgagat ggctgacctg 420
cagcaggttc ttgccttttg cagtcaacaa catcttttac aaagcacctt gacttatggc 480
aggcgtgaca aaaccaggtg aattagttgt cccagccag ggcccgcca cctttagcct 540
tctaggcgcc actgttggga aaaggagcca tcacagatcg ccatgccgac gtagccc 597

<210> 1074
<211> 667
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI179988

<400> 1074
gaagagaaaa tctctaataa tttattgacc ttcagtttca catcgtgaaa aaaaataaca 60
gttttacaaa acctcaaaaa tgtagtggaa gcaaacaaca tacgaacacg accgtcttct 120
aacttctaca gggtttggtg tgtgaaccac atattcaata gccagagag ggatattatg 180
cggtctaat cactcttatt cagacaggtg tcaagcctga gaaaagaggc tccaccatta 240
tgccagaagt ggaaggctgc cttttgttat cgtttccag ggcaaccggc tcacaaaata 300
agaagaacct cccctgtctt atgccagggt ttttgtgtgt actgtgctgt gaattgtatt 360
tgcttcaaa gttgggacat ttcacagggc gagaatggc aagtagcagg cccgaatgcc 420
tagatcaatt gaatgagcgg ggagtctaga aagttcccct gccggtggg ggcccacct 480
tgctgggcag ctccctctgg ctacacaggt aattaacaga ggattcaagg ccgggccaca 540
actttgaac agctgcagag aattctccct gctctcagca gcagtgcgt gaagatcttg 600
agacagattt gcattgtaaa ctgtggagct gagacagcta cgagacaact gatcatacca 660
ccagggt 667

<210> 1075
<211> 597
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI179991

<400> 1075
gccttttaaat ttaattttat tcctaaagtt gaaattacta gcaggtagca ctaaaaatac 60
accttcacta tacaaaacat tgtaaattga ttacatatta ataaagaatt tagcacacat 120
acacttctaa gataagaagc tagatgcagc ccttgctatt aaaagctgta cccaaacaaa 180
aatggacgtt tagtctaagg cccgggcagt ggactataga atgtcagttg tctcccaatt 240
atgttttaaat gcagaaatag caataatgtt gaaacgtaca ttcattaagt attagcattt 300
agaatatata tggctaatta ggtgaacatt ccgagcagct acggctcagg agagcccaca 360

ctagcccagt cacgaacagt gagctcagtt cagagaacaa aagtgtcaaa cacaggataa 420
 aggtaaagta agagacaggc gagtggcctg cacaccaca ctgaacagtc tggcttcacc 480
 tagtgctcag gggagacaag tgacagaact cagcagaacc tgtgaagcca tgtgtccacg 540
 gttgacgggc ctatggcaca gcccagggtt ctaagactta ggatgaaccc ttgtgcc 597

<210> 1076

<211> 528

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI180040

<400> 1076

acattttaag attataaaaa ttggttttatt gtaaaagaaa ttcaagaata accagttaaa 60
 ttcttatctg catgctaccc actacagcca ggaagcatta aacactgttg gacacaacaa 120
 gaagactacg ttgaggctgt gattcaaatt cagtgaagaa aaagggtgctc ggggtctccca 180
 cagtcagcac ggagggtttg ataaagtcag aggcactgtc aggcaccagg gctgctggac 240
 attgaggtat aaccaggcac accatgctga gggagaagga aggtgacaca ttctactttg 300
 tgaggagggt taagcagctg gaaagttagg aaaaacttta ctgggagcaa gatgagagcg 360
 aagtctttta ggaagagaaa ttaagttcat aaaagctttt ctaacagtaa cagggtctctg 420
 ctacctttta ccagcccatg cccacctgcc cttccctccc ccacactgag gctactctgc 480
 ccacagaaga tgtggtcctt tgttctggag tttcctggag aaatatgg 528

<210> 1077

<211> 600

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI180187

<400> 1077

gggttattat gtgtgtgctt ttttttaatt gtataattcg tttatacaaa gaaatcattt 60
 gattgattta tttacagcct tttccaattt tcagttccac tggagatata tttcacataa 120
 tggttaacaa tgacttgaac tgatcaccag taaaaccctg ggctgacatg gggcctctgt 180
 ccttctcccc ccttttaaga gcatgacccc atttctaattg caaacatttt gcagtgaaga 240
 atcacgagct ttcttgaatg aagaaaacca accagaatta accaaatttc caacatgccg 300
 tgtggcttct tctcaaattt agcatttgca ggtatgagaa accaaagcaa acagagttca 360
 cattccccct ggcttctctc aacttctctc ataccctcag gtcaggctgc tcttagctcc 420
 gtcctctctg ttcagccaga caattttaga caagttactc tttcccttcc ctttactatc 480
 ccagtctcct gccttctctc ttgcttttct gacaacacaa aaacttccac ccaccttccc 540
 tgtggtttct ttcagtagtc tagaatacac taagtcattt catgggactt tatcacctcg 600

<210> 1078

<211> 545

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI180253

<400> 1078

acttcagtct acaatcagac tgaacatttt attttaaaat ttatatatat gatcaattct 60
 cccacacaga ctgtgttttg atattccaat cgatcctgga ggagcatcaa gggctctaggg 120
 atcaggagcc gcagccactg gtccgactct cttcttagtg ggagctcctt ggccattttc 180

```

ttcatgccat gcttgttgaa tttggatttt catccatggt atgatggata agagtgagga 240
tataagccat atgaagagca aaaaagggtat gcgtgggtatc tctgttgccc gaagatatcc 300
actctccctg agaaggatca agctgtgggtt tattgggttca gctcgtgcgg aagcatgaaa 360
aatatcctca gcaccctgag tagcaggcag accttcttct acgtcaggag taaaagaaga 420
ttcctcatct gaagtagcag aatcaaatat ttcttcttca cttgtactct ccttgtaaag 480
aggtaaatac actacataat ccaatccaat gtgactagct ggtcctgagt catgaccctc 540
gtgcc
545

```

<210> 1079

<211> 480

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI180367

<400> 1079

```

gccaaatttg ttttaatatg atatatacat atacacacat tcacagtcac aaaccagcat 60
gacaagtccc cttccttagc caggagagct ctaccacacg caggggtcct ggagatgctc 120
aagggcctaa gtatgacagt ttccacatgt gacatccatt agggacactt taatcagagg 180
tggcaagggtg caccacgggt gtacatggcc cggggcctca tgcaggccca gagctctgct 240
gtaccgcgtt catcagctct tcatcctgca tagacaactc tgtcaacttt tttcccatcc 300
tctcatggat gtccaagtac ttggatacgc atcgggtccag acacacagac tcgccttttg 360
acagctctgc ctccttgtag tggggaggca cgcacttcg gtggcaggca ctggtcattc 420
tgttgtacat gtcggccatc atctccacct ccagctccgc tgccagttgc tgggctctga 480

```

<210> 1080

<211> 492

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI180392

<400> 1080

```

ggcccttcaa atttttacta agactgtgcg ttccaacat gaaatgtagg gagtcaagag 60
ctatctcact gaggacaggg tttgtttgga tgctgggttc ctacaagat ggggtgatatg 120
tttaacagtg gagttctgta aagtcaccag atgtaactgt aaaccacact gtgtcacaaa 180
aggctcacag cacagcatgt gtgggcaactc agggtcagtc ggggtgagaa agggccagct 240
cctgtgtggt gtggctgtta gagcaacctg ttgacctggg ggcagaagt accagggcag 300
aatgaaagcg tacagactgg aggataaggc tagtgctgtc ttgagggacc aggaccaag 360
ctctccctca gctgtagact agtttggtga agctggtgtc agcgaatgac atggatgtaa 420
tcgcatagac cagccactgc ctgggcccagc aactacaggt cccaagacag gcctgaggac 480
ctcagctccc ga
492

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<210> 1081

<211> 646

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI180442

<400> 1081

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gttgaacaat aatttattga gaccctccc tcgcagcctc tacaattcga gggtactttc 60
tccgcttgta gatcttgttt gctagttcca ggaagatgga tgggggcagg ggcgcggagc 120

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actgctctat gagactcttg aggcgggtgt aactgtcttc ctcgacttg aagaacacac 180
tccgcagatc cagctcctcg tacagtgtt tcacccgcgc cactttttct gggtccttct 240
gcccataatt ctctcttaag atctggcgct gctgaggagt ggctcgtagc agacactgaa 300
ccaccagcca gctgcatttg ttgtcctgga tgtcagtgcc gacctttccg gtcacactgg 360
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ggatcttcag ggcattagcg tggtccttct ccccatcaat tccagccatg tacatggcag 480
ccgcgatagg caggtagaaa gagtagaaa ctgtcttgta cttgacgata gatttgtacc 540
tcttttcagt gtatctacca agatccactt ggccctgggg tgctgtgatg aggtcgagag 600
tctgcccgat ctcaagtctga taggaactct gtagaaagag ctccag 646

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<210> 1082

<211> 458

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI227562

<400> 1082

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caaggggaaca agtccgtggt tgtcagagcc cccccccccc cccccccccc cccccccagc 60
ccaaaccaca gaagtcgact agcccctgaa acaccccgaga ggtatcacc ctagcataac 120
gggcacgaag tcgcgacccg agttgtaaac cctagagtac cggttacaga atagattcgg 180
ctggcccgcag gctatcgtag tccggcccag gtggttgagg accgtgctgg cccccaattt 240
cagcgaaggg atggtctacg agcgtaggat gtccttgag gagaccagca catgaaccgg 300
aagcctcacc ggcaagatca tttgaccact aatcctcaac agatgaagtc tattcggccc 360
caggctaccg gccgggacca cgcaggagct aaagtacagg ctctacagc tagcacacct 420
acagtcctag cactaccggg gcttcacagc ccccatc 458

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<210> 1083

<211> 600

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI227699

<400> 1083

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cggttcagaa aagaggtagt tttatttatg tatttaaaaca tattaaaata taaaatttca 60
ttgacatcat ataaaatagc attccttgaa catttggtt ttaattttat tacattcaga 120
atactaaaat tttgacaata ggatgttgct tataactttc tttaaattgt tgttccaagg 180
aactgtttta gtacatcttc cctaatagtc acagaaaaca aaaattcaac ttttaaacat 240
gtctactttt gagtaaaatt tctgcacggg ttaaacacac acggattctg tgttcaaaag 300
aacagcctag ctatctgtta tacaggttcc aacaaagaac taagggtcaa agcaaccctt 360
gaaatcaaac agccgaacct tagaacatct ctgttctttt agccactcaa atacacacgt 420
gctttgcaca gtcttgagc gtacctcaca ctttccctca ctgtgccctg tggcttgctc 480
tattgaaaca caacaatgca tgcttcttca gtgttctcac ttgttaaacc acttctgagg 540
cctccggaga ccttcgggca ggaagccttc tatctgttaa aagccagagt tggagcttag 600

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<210> 1084

<211> 563

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI227769

<400> 1084
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ctttattaag cactgaagaa aatacagtgc caaagaatcg aggaggcaag aaacctccct 120
tggcagctaa gcatctcggg gaaatagagc tgggtccaga aaacctaggg gtgacatcca 180
ccctgcttcg tggtttcaca ctgcacagct gttctcacat tttgctcttc aggactctgt 240
gagaggcttt cacatgcact gcattgagga tagaactctg tctccaaagg cttccatcac 300
acttctcttt aaatctactg gccttggacc tcaggggagg aagctgggcc ttaagttgct 360
gttagacagc catttccaca attgatgtaa accattgcat agttttacaa atgaagtttt 420
ctcattcatg ccagagattt cagtcagcaa attgttctgt atccatttct aggggattag 480
aagccttttg tcctcaaaca gacatttttt ccattttttg tcgagctttc ataggatgta 540
ttgagagctg tccctatcca ctt 563

<210> 1085
<211> 469
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI228042

<400> 1085
agagacataa tttaatgtct tccagaatac aattcgagct ctgcagggtt cctattccac 60
ggggacagat cccatgccaa cccacagagc aggcgcgtct gcctcctatc catttatgcg 120
gtagttttca tggatttctg gccggatgtc acacacaaag gccaaagggt tatccaggac 180
ttcatctctg ttctgtctca agtagttctg gaggatgggt atcttctcct ggggtctcctt 240
ttccacctca ctgctacaac tgccatggga caggggtccc atttctcccc gcgttttgag 300
atatttgaag gtcttgggga gggagtcagc tgaccgggag aagcaagacc tcttcagcag 360
accttgaggt ttcctatttc tccttgggcc caaccagtca cagagaaatg aagtcctgtg 420
cttggaggaa ggagagggaa agcaggagca gcagcagcca ggaagtgtt 469

<210> 1086
<211> 482
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI228197

<400> 1086
gatgtcatat aatccattta ttccaacctc agtgaaaatg cagctggagc accctccatg 60
ggaggggcca cgtgatcccg agaactcagg acaagggggc cagcgaacta ctcaggatct 120
cagcagaagc ctgaagaatc cgcagctctt ccattccgaa agcttccacc aaacagagct 180
gacttatcag cgatcctttc ctttccttca tgtcagaaac cttgcgcagc tcggagtga 240
tctccgcaat gaaatcagag catattttct gggccacgcc caagcttgcc ttctcattcc 300
tatcggagat tacgtcacca atgagcacct ttttccagga cgtaaaccgg tcggctttca 360
gacacaacaa cttgagagct gtgagcattc tccaagatgg tccatcccat ccaaaccgtc 420
aatttcctgt gaagccatga tcctccaaga tggacagctt cttgtgcacc tgcttatcgg 480
ct 482

<210> 1087
<211> 567
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI228265

<400> 1087
caatttttagg aagaaagcct ttaattggga ttttcttacc aagttatgat ttaatatatta 60
tcagatgtgt aaatatacaa acattatatt tatgttgtaa atagatgacc ttacaaaatt 120
acagcacgca gtaaataaat ccctcccaca ttttgtacaa actacatgat tttgatatac 180
aaagattctg tttttattcc actgacaatg tacaaccaac actatttaca atgcaagggg 240
aaaaaaaaatc aaaaaacaaa aacacgttta taaaccacaa ttaaaccattc tgctactggc 300
agccactata gtttagggagg tagctttaat taaacaaaat gaacagaagc cacatttccc 360
aactcgtggt ctaaaaataa tttacacaag ataaaaatta atcatatgca cagtatgtac 420
agtttaataca aactgcaatc tagcttaagt ttctgtttta agtagaacta agatggcagt 480
gggtttgcta ctgactgaac acagtctgaa gtcttcttac agaaacacat caaaagccta 540
taggtaagaa tcaagtaaat cttaaaa 567

<210> 1088

<211> 461

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228291

<400> 1088
acagagcttt aaaaatatat atttattgag tgtctagcac aataaaagcc acggtaccag 60
gcaggagcaa gctggagata ggaggtgacc agggcacaca gctcctgccc tccatgagtg 120
agcatcccca gtgagggata aaaagggaagt atccaatact gagtcaaagc catacgatgt 180
tattgggtga gcgacagcac taggaccaac tgactaaacc agaactgaag gaccgggacc 240
gggctcaggg ggtaaccagc agactccac attactccga gaactagcct aggatctacc 300
aagaaaggac tgggagcagg gttccgtggt ggcacttagc ttatacaagg ccttgggttc 360
cgtccacaac accacaagga aaacaaacaa gcaagctact tgttggttt gaattcactg 420
ttaatgttgt cttttcacac aatgaatta tagatagatt g 461

<210> 1089

<211> 536

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228540

<400> 1089
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agcccagtg agggtaggcc attaactctt gttctcatca atgtaaacac agcagtaata 120
gtgaagggta aagaaaatgg gccagtggtt tgttccatat gaacggtgag gaggtgcttg 180
ccaacactcg gacaggtcct gaggggaaat gaagtccatc agctccctca cttccaacag 240
tgaggcagag aagaacacag agatacccga cccacttctt ccagtggctt caacgtagtc 300
atatgggtgt tcaaattgga cttctgcgaa ctgttcaagt ccctctcgag gcctaagaag 360
gggatcatac cttctgtgag tgtcgaagta gttccatgaa gccctttcct tgtgacttgg 420
tcacgggtcca tagaaaatgt gacttgcata tagtggttgg cttcatatatt ctgtagtccc 480
tgttatagcc ctggatctaa tgagtagaaa cttgaaatca gggtgttctc aggggtt 536

<210> 1090

<211> 600

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228557

<400> 1090

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ggattcacca atgatgggtca ccaatatgtg cttctttgtg gctttcaaac cctatttttc 120
atcactcaaa tgtatccaga gtatacttga atttcataca cagcttgaca aggtgggtct 180
gacaggtcct ccattagtca atgaatggaa atggatcttt cgtgaaaggc atagaaaata 240
atctagacta aactgaagg aatttgggta actctgaatt tctttacatt acaaagaaga 300
gaacaaatgt gcccaaaagt aaacaggcgt ggatgtagtt tacggttctc catacactta 360
catatgcaca aacgtcagca gggagactct aaggaaccag caacttctaa ctcaagtga 420
caactacgca ccagcaaagc ttatggaaag actcaatggt gtagatgagt taaaaagggg 480
aaggagctgg ggaatgctat tcagcttgct gaaacaaggg cacgcacaca ccgtaaatga 540
ttctttaaaa atggcactaa caaagttcag tatgtacctg ttacgtaaca cctattttaag 600
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<210> 1091

<211> 611

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI228596

<400> 1091

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ttaaaaaaat atcagttcag actattattg aaagtgacta tgcacaataa ataggaatgg 120
cctgcgtgtg ctgcagacat gggacacaaa aggttgatg caatcagcaa agagtgcaa 180
gcacctggga ggaagtttca aatgtctaga aaagtagctc agagctctgg accactcacc 240
aaataaaaaca aaaagcaaaa acaaacaaaa caaaaacccc actcagtaca tctggcaaac 300
aacttcccaa caacactgaa ctatctcctg cgaccataa gaacaattta aaatacccaa 360
agtgtctaaga cctcattagc agtactttta atctgagttt taatgttaaa tatgattact 420
cgaataccct aaactgtatg acatgcctaa taacaataag ttacaaatat tcaacctaat 480
aacttagaca tgatatggtt aatataacag acattgtatc tcagctaacc tttcatgtaa 540
gggtgagaatt aaaagacttg ttcactctgt cactcaaatg aggaatgtgg tatcctagca 600
acagtgatga c 611
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<210> 1092

<211> 592

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI228624

<400> 1092

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accatgtggg ggcaccaaga catgaacctt ctgtcctcta gaagaacagc taacggaaat 180
ctttatagct gatccatctt gacaggtcct aaagataaac cttatttaat ctgcaaagtg 240
aaaaagtttt gcaaggatcat gccagagct aaaattttga cgctttcctt tgcaaagctg 300
aatggtgaag gtgtcaagaa gaccagttct cagagagaag actttaatga atatatttta 360
caaacacact ggagaatcag gcaatgcttc ctgcattgga tgcaatcctg ggccacaagt 420
ctgcacactc ctttgcaact ggacctgtga tagcagaacc tttcatctcg cctttattgt 480
ttactatgac ccctgcatta tcttcaaaat aaaggaacac cccgtctttt cttcgatatg 540
actttcgtag tcgaatcacc actgcaggat gtacctttt ccttagttat gg 592
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<210> 1093

<211> 586

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228630

<400> 1093

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cctgcgagac ttctgagacc cacacatcag accagtctct tcacttcaaa ggccaagtat 180
gagagcagac acagttccta cccagagggg tgctgaggaa acacgtccct gcccaccctg 240
tcttccctca aagatctcag aaagaaaggc cagtatactg ggccctgggt ggtcaatcta 300
actcttggtg tgaagacctg ggcaaaaggc taatgggtct atttagacct cgtgtctaca 360
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gctgcacccc agataatgga tgtccggcca cattctggct agagatagaa atccaagcag 480
actgggtatg aatgcatgag gaaaccactt ggcccagttt ggggacgggt agtccaggct 540
cagcctgggc ccaaactttg ggtttctgtc tctcactacc cagtgt 586
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<210> 1094

<211> 509

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228676

<400> 1094

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gaatagttag tttgatttta tttaaaaata ataaatcaca aaactaaagt gtttgaacaa 60
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cactacagct ctaaaagagg atcttcagta tgccagtgc accaggacac atccctggca 180
caggtgatct ccagaagaaa agctgatggt ctagagagct ttctcctctg ccttcacagt 240
gctgactctg ggtggagggg acaggggtct ctccggagttt atcactgagg gaccagttcc 300
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gaaaaatcct cctttgctg aaggagtagc gttctgcctc ttgctacaga ctctgctctg 420
tctagcagga gacagccaag ctcatagcag gcatatggct ggacgtatga gttattctga 480
cggcacgact cgtcttttag cctcgtgcc 509
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<210> 1095

<211> 525

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228723

<400> 1095

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gggctgatat atgtatatat actttatttt tgtaaaaata aatgtaacac atagacttga 60
caagactggt cccaaccttc tagggccagc agctccttta gggtcagaga gaaagtaggg 120
tcttttaatc ggcattgagg tactttcact ctccactgga atgactaggc cccagttac 180
ctaattgtgg ctttacgcac ggtctcctca tctcccagga actgcatggg cttgatgggc 240
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ggcagtgcc tggcaatagt atccttcagg ctctcacagg agggtagctg gtccctcagta 480
agggctgcgt accttcttcc taagcagacc cttagtaaac aaaga 525
```

<210> 1096

<211> 487

<212> DNA
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228728

<400> 1096

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gcaataacca taccagcaga aagcaaacat ctgcgaattc aaatcaagca ttttgagga 180
caacagtga tctgcctctc ctttccactc ccacagtgcc tcttgaggca gccatcctcc 240
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attaatcacc gctactgtac tccagtctta agagaaagtc agccaggact caacagccat 360
gcttgctggg cagattccgt ttgctgcctc cagcctctca ttcccgcctt aattgtaggg 420
ctctgtatta taaccacata attcatgcct ccctaattaa agctgtcaac agcctcattg 480
taaagct 487
```

<210> 1097

<211> 550

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228729

<400> 1097

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gcattcaaca aagaatttta ttttaattat tcacaaaaca atattacaat attttataaa 60
aatattaagt tttaggctac cattatttat ttaaaaaagt gtttgtgcta gaaggctgct 120
tttgccaact ttcttttttg gtaagggtgt taaagtcca tgttaagaca atacagatga 180
aagctgttga aaaaaaatct tcaaattgtac aaaactgttt ttttcttga taattaaaaa 240
atacataaca atttaaactg aaaacacatt aagttagtgt tgcatactta ctatacaatt 300
tttattataa gggactgcct tccatttagt taaaatctaa agaatgcat caattttttc 360
ctgccttatt tttctgatca gcaatagtaa acacaatttt atgaccttt aaagaatgct 420
tagataaact ataataccat agttcacatg aagcccttta aaacattcat gtcatagact 480
gtagacatca gggcaataag gacccagttt ttccaggaga ccctcttggc agaggattca 540
gtactgaata 550
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<210> 1098

<211> 511

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228931

<400> 1098

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cctgcttcct ggggccacat tgccggacat gagcgagtgc cggctggaga caaacttgtg 120
gattctggtc ctggcagaac ttacttttct tctcttgta acgtttcaca tacaattcag 180
cagcagatta cccctcacag aaaactctga tcttcatttt aaattaactt gagaggacaa 240
gagaaacggt atggtggccc atgcctgtgg gccagcaact aggaggcaaa catgggaaat 300
caatgcagat tcaaagtcac ccaggggggt gcaccaaggc cctggtttta aaaaggga 360
tcaaaccaac ttcaccatca acaacaaca cgccagagga gataagcaag caagtgtcca 420
gtgccacgtg cagttcgggt ccaatagttt acctcgagtc tcaaagagcg gcaggctgaa 480
gttgtgatgg aaggttttgt ggtggggccc t 511
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<210> 1099

<211> 570
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI228959

<400> 1099
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aaaccagttt gctgtgctca ttaaattggca tgacagtatt ttagttaagc tgggagtcac 120
aggacttgca cacttgatg aatgtaatgc aaatactgac aacacgaggc attcacagtc 180
acaggctggc tgcgtgtcac atcacagcag cgcccgatgg aaatcagttt atggaaaaaa 240
gcaaccacat tttggtctca tttacagata cccaacattt cagttgggtca atgaattcta 300
tacaatttta tacaactatg aaagaataaa ggataaggct tacagaggta ttttagcagt 360
tgtaaaaata aaaaccaagg acacaaacta aactcttaaa gctttctgta taaacttcaa 420
aagtatgggt aggatggaga cttagaggca acagaaatct gttaaaccag aatctagagg 480
tttgtcta atcagatatcaa tactgaactc aagagttcag gctttaaaag aggcgcacct 540
aaggctacaa tgggtatcca gcaaatcttg 570

<210> 1100
<211> 531
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI229035

<400> 1100
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caataataaa attcaataaa tttgattcct taatcataaa aactcgctat acacattatt 120
tacaagttgc caaaatctac aagcataaca aacgttacaa ggacctcact gactctaagc 180
ataggaccgt cacacagaag ggagtaacta atcaacatac atccggatgg aaactcatgg 240
atatgcacag tgtgtttggc actgttcgtt aatattggaa cattttgtca gaacgggcat 300
tctcgagcct tagtcacaac acgccagaat ctgctattca cattatgatc agcatttcac 360
cgtcaaacia taactgttca gttttagggg gcaatctaca gtcggacttt agaaggaagg 420
taatccctcc atttcttcac atgccccatg ccactctgtg agtgagtttg acttggtgtc 480
tttgtcactg tggagcatgt caagggaac gatttaaagg gaacgccctt t 531

<210> 1101
<211> 430
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI229167

<400> 1101
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gcccagacct ccaccacag ccgccctgct tcagcagtggt ttctggtaac cagcccgttt 120
tccccttaca agaagttaat ggctcagaat agaccctcct acagaattta ccatcactaa 180
caaactgttc agagacctaa agaagctaac aagcaaggct cttccaaagt gaggttaatg 240
gaaatcccta taacgtcagt agcttcacgc aaagcacgac aaagcaccat caaaggctga 300
aagctaaaaa tagatatTTa ataattttcc atTTTTtatt ggaaaactct ttaaattaca 360
ttaaataagt ctcttttccc ccaagaaat tgtctagctt ttatgatgcc tgtataagtt 420
ggtgacggtg 430

<210> 1102

<211> 319
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI229172

<400> 1102
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aatatggaag gttgaggaat gcttgcttgc aaaagctttg caciaagaag tgctggtaga 120
tacttttatt ttggtgggaa aacgaatgct gtctctttct ctctcctatc tctccccct 180
caggcaactg tgccctctac catcgggggg gctgggtgta ccatgcctgc gccactcca 240
accttaatgg tgtatggtat cacggaggtc attaccggag ccgataccag gacgggggtct 300
actgggccga cctcgtgcc 319

<210> 1103
<211> 467
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI229178

<400> 1103
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agcaaagcac aagacttgaa cacggaaatc aatggtaagc gttctcttgt cgggtgtagc 180
tctcgggcc gatcttttag tgaggagagg tcttgtcaga agtgggtgga agccagaagc 240
aaacctgca gaagatggaa ggaggtccca aactctcgac agaataacc tgggcttct 300
ctattctccg agaggatgga gagtcccaa agagtttttg atgctgaaga atctgaagct 360
gttatcaaaa ctcacggaga gggagcaagg cgaatgtgac ggggtgtgta ctcaggcata 420
aggccatctg ccagacaaga cccacctgc cgtctccgat gggagtc 467

<210> 1104
<211> 386
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI229192

<400> 1104
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aagcgttgac accccactta cagcacattg caaatgtgcc cccatcttt atgctggatt 180
acgaaccgcc catgtgcacg agtggggaaa tacaccaagt aaggcgtgtg taagggcctg 240
gttccctgag tgtacgcgct ccgcggcacc agtgggggtga cagccgagtc acgtctggtc 300
cgagtttctt aaaaagtctg tccattctga ggcaaggctc agcagaagtg ggggttcacg 360
cgcgggccag gggcacccat cgtgcc 386

<210> 1105
<211> 457
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI229235

<400> 1105
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ttattgcact agtagcacat ctgtaatacc aaactacagg acaagtctta acaagagggt 120
tgtgttcttg aacgtagcac ttgtctacca ggcactgtag aagagaatga ggaaaagcca 180
ggacctgctc aggagcttaa gggttgggtt ggggtgggata tggacagtaa cacttctaac 240
aactggtttt aaaataagaa tgtctttttt ccactgaaaa caaaattaat catttcatat 300
tcactagtaa aggagctgct gggaaacaca atgcacacga gtctgagcaa ccctcggcac 360
agtagcagtg ctgagcccggt gtgctgacag gctctccagg ctctccaggc tctcctacgc 420
atagggctaa tatccagctt ttctcaacaa atttattc 457

<210> 1106

<211> 414

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229240

<400> 1106
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aaatcccca cccctggcct gtatttcttg cacactgttt ccagcctctc cccgcaactc 120
atztatgatt ttgtgctatg tctccttagc tcacagtttc cgggggctcc aggctttaga 180
accattagga attgtcaaga aaagctcaaa ggccagactc atcagcactg atgggaccct 240
cggagccttg ggctgggaag ggtgaagggt gaggaggagt tctcaggccg agcttagaag 300
ggctttcagg caagggggat gcagatgcag ggagttgcgg gggaggggca tgaggcaaga 360
ttgttcccgg ggatccctga gatgccctat attcaataaa atgactatga catt 414

<210> 1107

<211> 482

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229253

<400> 1107
gagtttaaaa attatacctt taattataga atattgttag gataatacag ctataaacia 60
gacactagga taattgacca ataccaaggg aacctgttct acagatttac ctgttcatcc 120
actctccaca accatagaac acaggcacag actgtctggt atgtgcagaa acggccaggg 180
acttgtgaac agaaggcatg cacttagcgt tagtgaaggg tgacagttgt gtgacttctg 240
cagctcagcg caggaagggg agcagctgac catagctgag tggacagagc tggcacagcc 300
actgcctttt tagccacca gctagagtgt acacatacga agaggtggga aggcaatcag 360
aaaccttcca ggagcctttt catctcctag aaggcataag cagcaaataa aacacagcat 420
aaccttttaa aggaaggcta gggctgggtg tgtgtgcctg gtgtgtgtgt gtgtgtgtgc 480
ct 482

<210> 1108

<211> 501

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229307

<220>

<221> misc_feature

<222> (1) .. (501)

<223> n = a or c or g or t

<400> 1108

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ttgtaagatt tttaaattct taaaaatgca attttctttt caaagcacat gccatcttta 120
aaaaattctc agcaatatac atttgcaccc aagaaataca tgcagcatca ctgccgtctg 180
acaatgtcct gcactaacc accgactcct gcacatgtgc gttctacttg gggactcaga 240
acacaggctt cagtgaaca cttatttccg taggaaacac aggccagtg gcgtcttctg 300
acaactgttt cccaatggct gagcacagcc tccatctgcc ttaaagcact ctcccccg 360
ccaatgaaag aaacaactag aattcaggag catttgagga tcccagtgcg ggaccgagga 420
gggatactta gggctaccct gtgccacana acttacgcaa aaatttacct agaaaacaaa 480
actgaaaaaa ctcttagatt t 501
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<210> 1109

<211> 493

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI229318

<400> 1109

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cagtgaacat gccaaccacg aatgcagatg tgaatattac acagcgtcaa gtcagtgaga 120
aacagaatgt aacatgacta tcgtgtatgg attgaaatag acgaagaata cagtaatttt 180
acccgttaca ctttgtaaaa tcagacatga atttataagc agtgccttta ataaagacag 240
taatttcatt tcaaataaat atatttcctt tctattcctt tatcatgtag tttattatgt 300
tcctaactgg taaaacgcac cagattattg aactcagtaa taatccaatc catgatactc 360
catttgtctt cattttaact catttgatgt acactgcaag ttcacagagc agttcctatg 420
aaactgttag aacctaccg agcctagtgt gacaggcctt ttggacaaga ccaagggggg 480
tacgtttgag cat 493
```

<210> 1110

<211> 502

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI229337

<400> 1110

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ggggagttaa cacccaatac cacattttct aagacgttcc tcaaggcatt ggtgattgta 180
atttaaaaat aaaggaattt taattagcat tggaaatcta aatgacgatg ggtttcaaga 240
gctaaaaatc agatctttta aaaaaggctt tgttttatct tgaaggactc aaacctgaag 300
gacgcctcca atagaatata gtatgtccca actcccaaat tagtaaatc atcatttcac 360
cttagagtag gagaactata aaatggaatc tctaaattat tacatatata aatacatcat 420
tttaacagtc atgtttgcta gcagaattat gaaataaaaa ccaaatctac attcacggtg 480
caaagaataa tgttcttcca ct 502
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<210> 1111

<211> 535

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI229416

<400> 1111

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tttaattaag agtgggtcact tttaagtTTA atgtttgata tgaccaacat tccctagggtc 180
agagcaacca aaggatggaa aacaactgga tcacactgca tatgtcccaa acaaacaaac 240
aaacaaacaa acaaacaaaa caagaaagaa aaggaaggaa ggaaggaaag cacaatgtac 300
aaaatgtgca tgtttcagtt tacactatac aaaaatagtt aaaatacatt ccaggtaaac 360
atgtttacatt aagaaatagc actagtaaga aattggcact caaataaaaa tgcagacgtg 420
ttttcaacat tgaagacatg agacagtggg attgggggac caggagataa aacagcacat 480
agcccactca gctgggtgga gttgagtcctg aaactggcat ttctgcagaa cttca 535
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<210> 1112

<211> 555

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229502

<400> 1112

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ctgcttctca agtctttatg gagctgcact tctaagtcaa tgggtgagtt cctctctgtg 120
ctgtcagcca aaggagccag cctctgctgt caaactcgga gtcccagcag ctgatgacat 180
gggagtcgga tctagtattg cttagaggagc ttgcttacia tggcagctgg catgtccgtt 240
agacctcttt ttcagaacca tttgtctcac atacttgggg actgctgtgc agggacacct 300
ggtgtggcct gaccaggcaa cgtgtacatg gctcccaaaa actggtcggc aatccttcct 360
gcttctcgaa gccactcag cagagcacca tggaccgtag ctgggtagtt gcggattgta 420
tgttctccag caaagaagag tcttgactg cggatgtttt ccaactcagga agaggcggca 480
caaactgaac agctggtggc tgctgcttca gcactcccaa aggaagggtt cagagcactg 540
cgttacactt tataa 555
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<210> 1113

<211> 550

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229680

<400> 1113

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cagggggctg acgataggca gggaaagcct cccaggggct gttcagggtc aacttgcgga 180
actcttgctc caactccact ggctcagcca ctaccgctt cacctcatcg tcataacgta 240
gctcaacata gccagtgagg ggaaagtctt tccggaaagg atgtccctcg aagccataat 300
ctgtcaggat ccttctcaag tcagggtggt tgaagaagaa aactccaaac atgtccaga 360
cctccctctc ataccaattg gccgcgatgt gcacagacac tatggagtca atggctgtca 420
gctcatctgc ataggtcttc acacgaatcc tagagttaaa ccgcagggtg agcaagttgt 480
agacaatctc aaaacgggtt tgccgagttg ggacatccac tgctgtcaag tcagccaaag 540
atttgaactg 550
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<210> 1114

<211> 393

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229698

<400> 1114

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tttaattaag ttttcccaca aatcttttatt aataactcta atgacagatg aacctatatt 60
gccttgaggg ttagggccac ccaccagtgc cctgtatttg gaaggcccaa accattcacc 120
acattgaaca ctaggttaaa ataggtcttc taaacagtgg acaaccaca atggttaatc 180
aaaagataac tgatgaactc tcccatcagc tccctgcaag ctgcaggacc tcttagctct 240
tcatgatgta atcttgctag agatggctcc agaaaatggg tcatgacctg catccgcacc 300
accagtagta gtccatggga tggtaggta taaggggtgg cagcagtcag ggcattgggtg 360
acagcgtttt gacggagacg tatcgtggaa ccg 393
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<210> 1115

<211> 544

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229739

<400> 1115

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ggggagacca agggaagaga acaacgcacc cggttaagtac agaggtcatt acaaggcaga 120
gcatgctgc atcaagttac aaacaggcca ggctgtcaaa agagctgtgt aggttgaggg 180
tgggaactgg gaggtgtgtt cctctgggct agcgtgggag tagggcttgc tatcagttcc 240
tgagctcaaa gccctgcagc aaccttgggt tggcaaggac gtctgaggca gccttatctt 300
atactaggac catcagcccc agagtgcctg gggccaccat gcagcatggt cagtttactg 360
tgggtccctt tcttacgggc tcaggagagg acttgacgt gtgcctggag cacctgtggc 420
cactgggcca tgaacatgca gtgtctgtcc cctaactctc aagtaagggt gaggcagcga 480
ctgctgaagc agttgccagg atagcgggcc gtgcgtacag tgttactca aggttttgtt 540
ccaa 544
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<210> 1116

<211> 395

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229789

<400> 1116

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caatctgtgg cttgaatggg agacctcaat ataggctgga accacttaga atccaaaaga 120
gggaggaaaa tccaagggc ctgaagcttg ggtatcactg ggcagggatc tgggactacc 180
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ccaaaccttt aatggtagca gtaaagcagt tgacagtgtc ctgcacctac actgcactta 360
ctgggtggac tccatggaag aagagcctgg tggca 395
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<210> 1117

<211> 499

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229832

<400> 1117

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tccaactccc taggagccaa tgtgcaaagg cagggagggc ttggagatca cgcttccagt 180
ctcacagctg aatggcactg aggaagtcct cattatctga gtcttggagg aagcaggggtg 240
gggcaggagg gctggggggg gagaggatct gggcccctag ggccagctgg gacacagtga 300
gctctctgcc cttatgcatg acgtaaaagt ggaagtgaaa accgctgcta taggttgat 360
gcctcagtga ccagtcgtaa cagggttgag catagtgtct gatcctgaag tggggacccg 420
caggattcat ggagatgaat cggcctccag gaaccagcac ccggttcacc tctactcagca 480
cctggtccac agtgtggac 499
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<210> 1118

<211> 545

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229902

<400> 1118

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ggtcacctgg accacactac attaacagac accaagttgc tcggcaggat gctgagcccc 120
cacttccata cttgtcggaa cagtatgctt cacatcaata caattatatt agttcataaa 180
aaaaagacac gtgtctaaca tgcagcttac atacatgaca atctgcatta aacttgaaag 240
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tacaactaca gtttaaggca ttatcagcat atttttaaata caagaaatag acaaaagtgc 360
taatgctggt cacagcttaa ttttcaattt atttttaaata attcccttca tacctacgta 420
caaaactagac tctgaaggtc atgattcagc taacgactcc ataataaatg ttctgtcaat 480
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attca 545
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<210> 1119

<211> 546

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229906

<400> 1119

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ctgaactgta caagagttat ttattttcct taatctcaaa gctattttta gtagtacaaa 180
aaagccatat taacattttt tttccattag aaaacaacag gatgtacaaa actttggatg 240
aaaagtatgt caaattgcat ttagccattt ggaggaaaat ccaccactcc atcagtacca 300
cccaaagtgt ttttaggcag tgattaaaat caaaataatg catcttaata aatctcagct 360
gttaaaagaa caaacctagc aatatagaat acttttctac acagtatttt taactactca 420
gttcaggagt tatttttttt ttctttttta aaaacccatt tcagttgagt gctactacat 480
accaggcacc atatttggcc aactaggggt tttcgaacaa gttggttaaa gtgggaaaga 540
cccaca 546
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<210> 1120

<211> 450

<212> DNA

<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI229979

<220>
<221> misc_feature
<222> (1)..(450)
<223> n = a or c or g or t

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gcctgctctg gaggagatgg atcaagaatc ctaaggcact gtgcttctgt ggatgccttg 180
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gttttagttct ctcccagccc ctctccttg gggcagggaa ttttagtata tgggtgccttt 300
atcacaaggt cctgggggtct ggaggtagaa agtgagatgc aggagaagaa atggggcang 360
gtgataagaa ctccacttcc tgcaagtagg aaggccccag ccaaccagat gccacacgcc 420
ccacaaggtc agaaatagca gcctcgtgcc 450

<210> 1121
<211> 516
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI230046

<400> 1121
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gcataaaaaca tgcattaata tcaactgccca catgttgacc caaaccatct ctatgagaat 180
agtaagaaaa ctagtgtgta acaggtacaa aaagagggtt tctgggtaag tggggaacct 240
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tgggaagata caaattttga ggacaacatg ctggtaacat gaaaagtgca actctcaaat 420
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gccctatcca ggaggccagc tcagtgcaca caggct 516

<210> 1122
<211> 544
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI230056

<400> 1122
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cacaaaacgt tacaccgat cgctggcaga gacctttcag aaactgtagt cactgagttc 120
attatgagtc aagggtgcttg tgggttggtt gaggaagaaa agatcaacac atcatacata 180
aattcacaaa gtgctgaagt tacacacggg aaactaactt tgaagtaatt ctggtggtaa 240
aagtatcaac aatgaagatt caaggagac caaaccatcc catgaaagga ttagtttaaa 300
tcagagagca aggagagcac gtcacccca aaagccgaga ccatgactcc aggtctagt 360
cacaccagga acatctgacc aaggaggtcc ctttcttctt ccatcatttc agttctatcc 420
ccttttcaag ggcacgaat gctctgaaag tttcctgtgt cttggcttat acacatatct 480
acctccctcc cagaaagaaa gctcaagaaa gcaggagtgt gcagtcttcc ttgttcctgg 544
ctga

<210> 1123
 <211> 418
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI230074

<400> 1123
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 ttccttagtc aatgttctcc aggcccttgg acacatagta gcgattgaca ccagagatgc 180
 gtctatcgcg ttccatcaaa taccattggg aatgaactcg agcaactctc ttttccttgc 240
 ccccgttggg gaacttgtgg atgtacgcag tggacacccc ggggatgacc aggcacaccc 300
 ccataatggc gaggccaggg agaatctcga accacatctt ctcaccgtta ctcacactcc 360
 aaccggtcac cgttaccggc tcctcagagg tgaccggggg cttcaccgcc ctcgtgcc 418

<210> 1124
 <211> 531
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI230134

<400> 1124
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 atgcgatttt caaaatcacc aatccaaaaa aaaaaaaaaa aattgcttac ctcgaaaatc 180
 aagaaattcg aatgcagact tatctttgga aactacaagt gactacagcc cagggtgatgg 240
 tcgcacactg cctttggctc gccgtgtcgt gtgcaaagt gcagggcgca cttctgggga 300
 gtgacgttag ggcggaggga gccatgcgca ggtgcggcac atttgagggg ctcgtcaagc 360
 agtttggggg ttgataaccg acgttctacg tccattgggtg tgggatgaaa ttatgtgtgc 420
 ttgatcagac agatgtataa aattgatctg agcttgggtg gccatcccag gtgtctcttg 480
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<210> 1125
 <211> 501
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI230171

<400> 1125
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 attcatatac attcaacata tactgcgcgt gttggctact acgatataaa gcaatgggtga 180
 gcttgaaaat agttcgcaag atggcacggt taataggctc actggctttt gtctgggtgg 240
 ctctggaggg tgggtgtctgc tcttccatca atccagtacc atgtaaacag gtcaggccga 300
 gcggggggag cagcaggacg gggctggagc atcagagttg gactgagctt ggaagccaac 360
 aatagcttgc taagctttct tgaaagtcag acttctagct agtaattagc gacacctgga 420
 gtggaggggc gattggagga tatgggacca tgggacaggt ccctagccaa gctctcacat 480
 tgaaaacaaa tccgttcaag g 501

<210> 1126

<211> 626
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI230228

<400> 1126
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 gggttaaacta caaaaacagc catgcatca cagtttgagg gtgggggtgt aactgagttt 180
 tgtttaacgg cctaaccgaa aagcaaagaa acaaccattt cttctacttg tggcaagaaa 240
 agtaaatcat ggaactccta gatccttctc atgaagcagc tttaaaaggc agtaggtgga 300
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 gaaaagcctc tacagaactg tttcattaga aattcaaaaag catagatata aaccgtatgg 420
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 tgcagtacac agatccagaa tgctcatcag tcaactgctga ctttaaccaa cagctgcaga 540
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 gtcctaaccg ataaagaacc agttgg 626

<210> 1127
 <211> 463
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI230270

<400> 1127
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 cagctgctgg gaaccaaggg gaaggcctcc agctctgtca tgagcttgaa aggctgctcc 180
 gtccctgggt agggagtaga agggagcctg cttggctgag gatggttgac tcacatagtc 240
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 cggttctctt gtcgaagcag ctttagctcc ttctcatatt tcgaggcttt gttcatgagg 360
 gcgtttttct ccttctccag agacctccga tcctcaggac tcagctctgc cctgtggagc 420
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<210> 1128
 <211> 579
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI230320

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 actagccact gatggtacaa aaattacaca ctaacgcaat cataaaaaat gtaaaactttc 180
 aaattaaaca gtcaagaaat ctgtatctgc accatttcat acaccatgac agttgctagc 240
 tgtggctgca ctccaacgtg agggcttggg tggagctgct gtctgtgacc tgatgctctt 300
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 tcaactggcta aaatgacaca cacatctcac aggcacactt cagttctttc tccaaatgtg 420
 ctcttgatg ggagtaaag acaacaggaa caccgggtgt gagagccaca gccacacag 480
 ctgttcctga agaaagcctg aatgggtcaa tcctgcctg caggaatgca agatatgcag 540
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<210> 1129
 <211> 547
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI230326

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 atgaggaagt ggaaccccaa actggagact gcgccttctg ggacagcact ggacagggta 180
 tgtagtagcc tagagggcca gggccgtgat atgtacaggg gtgttctgtg taccctggg 240
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 tgcagggcaa ggctgagctc tgcgggcaca atagtaaggc gcccgtccac cttaggtggg 360
 cagtgtctggc ctggcactgg cgctgctatg agaagtagga accatggcgc acatgttacc 420
 accctggggc agacctccta gagactctgt gtacatgccg gggaggccag ggtttcaggg 480
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 gactgct 547

<210> 1130
 <211> 551
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI230373

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 caccaggatt ttaaggccac atgtgcatct ggaaggctgc agtctaggac ccatgctgag 180
 acaagtctct gggaccgttt cttcacatga ggggttagcg atcaccttc agccttgggt 240
 tgcaggtctc attaggcaca ttagcatctg tctgactttg aaatattgtc cttgaagtat 300
 ggcagctgga ggtgagaaag aaaattctta ttccaaact ctaaggcaag cttcttcggc 360
 caccggtcct acctacttca aaataagcca cgtgggttgt cttgagcacg tgtggaggtg 420
 actagaccgc agcagagcgc tgcggtggaa ggggggtggg caagcgtctg gcttccaccc 480
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<210> 1131
 <211> 496
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI230395

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 gaggttatac aaggaaagaa acatggctct tgtgttgacg aattgatttt aaatgagaga 180
 atttcaaaaa ccaagaaatc catggtcata aagttttaac attttaatcc tacacattac 240
 agggcaaaca gatactggac cctatttcca cattccataa atccaaactt tagttcccat 300
 ttcaaacgtt gccctaacca ctaaaacat cagtgggtctt acaacctctg gattatggaa 360
 atacagattt ctgaagtaaa agctacaaaa acaacaatgg aagaaagctg aacaaacttc 420

ccatgaatga aaataaaagt ggaacatcct gaagctctag acacttctct cccgtgtcta 480
tggtcaactt gtcggt 496

<210> 1132
<211> 663
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI230431

<400> 1132
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gcttgctact cagagttcta aagaaactgt tcatgttaag aagtagctct tctaaattag 180
aaatacgcag agaacaacaa ctagcagaaa ggcaggagac atacaggctg caggaagatg 240
cgacagttct gaaatcagac cacttgctcg tgaacatctg taagcatcac atcggtctct 300
tctctgaatt tatatacatc aaaaatatac tccaagctgg tcgcggatgg aaaataaagc 360
atacaattta aaagcaaaat ggtgagcatt tacaacaaaa tgtgaattac ctgtacacac 420
gttttaagag gcacaatctg ttctatacag taactgtcat actgaattca tattatacac 480
agtgttatct gataagtggg ttgagtgaac acacagtacc gaaacattga tacaaaataa 540
attacatatt acttagtaat tttaaagtta cagacttcaa aaaaattttt tagccaaatg 600
ttcaactaaa aacaaatttt atgaaaaatt atgtcagatt ttacaaatgg cccctttcag 660
gct 663

<210> 1133
<211> 546
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI230439

<220>
<221> misc_feature
<222> (1)..(546)
<223> n = a or c or g or t

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ccagggtggt caaagcaagg atgacccag gctggcaaag tcttgatttt caggctcagg 180
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gctgggtctt gctggtacga gtggcacttg gaggtttctt ggtggagtcc tgcgcccgcc 360
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agatgcgctg agagagcacg ggatccttgg acttcttggg caaggctttt gtaggctttt 480
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gaccta 546

<210> 1134
<211> 651
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI230577

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 agcgctcgcga cgtcggggcg agagttcgca gctttctttg ctcgggccgca ggaacagata 180
 tttcgtacgt cactaccggt ctacatctct ctttttagtaa tttataagct tagatcgccg 240
 attagaagac ggcgtagcgc cctccaaggt cggaagaaga gggcgccgta aggggagagg 300
 gatagtttat cggaagta gatgtccgag ccgagagtta cactaagcag tacgtgtcgc 360
 gactgcccac aacaacaaca aagatcctag taaccagacg cccactctaa agtagggatt 420
 tacggaaggc ccataaaaag gcgctcttcc ttaatccgga cctcgatgat cttcagaaaa 480
 agacgattcc cgtccgcgta caccacaac agcctgcact ataacaaacg cacctaaatt 540
 ctgcgttgaa cctccggttc tgagggttaa acctttcaca gcgagctgca ccaaacctgc 600
 aactacgcta cagtcgcctt tcgcgcgaaa ccgccacttg tctataacct t 651

<210> 1135

<211> 385

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI230614

<400> 1135
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 caaaagctac tgtaaagcat atagattaag tgtaggtccc atacgtatga cagtttggtc 180
 aagactagta ggtttgtgta tctttttctt taacttatta aatggctatt gtgaaagatt 240
 tgtgtttgtg atcagctctt aacttaaatt tttacatcac atcttccctg aaaacagtct 300
 ttcttactgt ccccaatggt ctcaccatac gccttacact caatgcggat ttcagtgtcc 360
 aagtgaggt tggtgaactg cactg 385

<210> 1136

<211> 585

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI230716

<400> 1136
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 gcaagaatct aaagaacaga gtagatttta tcaattgcac agtttgctaa aagttcatct 120
 ccctggtagt gtgatgctta ataaatagga gtgaggggca ggggttcagat aagctataag 180
 caggtgactc tccgtcagca ctgtaaaact gaggtggccc cacactgctg ggggaatgtg 240
 aatgtttcag ggagatgtta actgaaaaag caaaactaca atgcaaaaaa atatgtgcag 300
 cctctagagc gctccacgtc cagttcagtc aggagttctc ggactgtatt agtgtcattc 360
 ccaaaggaat tcaagtctca gcaaaactcaa gctcccattt cttgatccct gaacaatgga 420
 tatgaagtta agccaattgc tttctctatc actactttgc ggctggagag accctttggt 480
 gcctaaccct tggcatcaat gttctgatgg ctggcaacct gcatattatt tgagacagag 540
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<210> 1137

<211> 669

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI230743

<400> 1137

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atatcaaagtg gagatccagt tatcaaaatg aaagcactca acatattaaa agttcacaaat 180
tatttgtaca gagcacataa aaaagtcagc ttgctatcca accgctgtgc tttttaaaga 240
gctactgcag aatttgaaga aaatagggcat tgttagttaa cttataaaga gaccaaagag 300
cctgaaacaa gtagtaaaaa gaaatttttg cttttattag aatggcatta ggccttaaat 360
atgccaatgt tggtaatcac attattgttt taataagaaa cgactctaca gaattgcaat 420
actgggtcaa cagtcttgct tttcttttaa agcaagaaac agaattgaag taaccagaaa 480
gcagggcagg catcagctaa cccaggagac tagcttctta gatccaagcg tttgcagaga 540
gaaccggttg gctggggagg ggtggagcag ctcgagataa ctggaacca gagtgcacgc 600
caagtcccat gaggtgctt gttgaaatca tcttttcctt ggtcacactg gttccctcca 660
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<210> 1138

<211> 667

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI230759

<400> 1138

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aaaggctggg catttctgca acccagccct acccctcggt cctgcagcct cggctctgtt 180
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gattccccca caaacccag gccctgagtt tgggtattct tctctctgtt cttgctagga 300
aagagatctt gagggccagg ccacagaggc aagaactctg gtggtaactt gagatgtagt 360
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cagtgcacct atgtaaaatg cacgggtaac attaaacaga ctcagccagc ttaaccaa 480
gcctgaataa cactaagctg taaagaaagc aaggctcagc ctgcttacac caggccagac 540
acaaaatgcc ggaagctcaa ggtggagtggt caaacacac ccaagggcac tgcccaggag 600
ctaaaagcct atactcagga gccctggat gacaagaagc aaagaaagaa aatacctaag 660
tcttaaa 667
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<210> 1139

<211> 463

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI230951

<400> 1139

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ttcacctgct cctgaggagc caagcccgc ttagctttct ttaaaagcaa acgaagccat 180
ctttggaatt tgcagactaa gattccaacc gtagctgcct tccagggtgc ctgaggcctg 240
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ttgaccctga aactctcacc acagccggac tcagacctct catgcttcag aagggtctca 360
ccaaaagggt agtttagacc acgtgggcgg agccactgcc aggcaagatt taaggcaaat 420
ttgtcacttc atattcggtc cagccagac ctaaactctgt tat 463
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<210> 1140

<211> 296
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI230956

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aattgaaaca aaatagtatt gtatagtctt ttaggaggca ataagccatc attattagt 180
tggctgaacc tccttatcga taaccaggct cagggtgggt atagccctga ccaaaaggag 240
gacggttacg agcttaaggg ttagccccag tggaaagagg ggccatgggt cttgca 296

<210> 1141
<211> 596
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI230981

<220>
<221> misc_feature
<222> (1)..(596)
<223> n = a or c or g or t

<400> 1141
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agcggggtaa ggcaccactc tgggacagta aggtagctcg cagtaacaag agtcagcacc 120
acgagtgggt gctcagcaaa tacttgaata aatgaaaacc ataattagca caattctgtt 180
cactgccagc aattcttcaa cccaataaaa atatctatta aaaccagtt tgtacctgaa 240
tgcagattcc tgcttttttag ttcataccct ttcttcagt tttacatttc cttgaaaaat 300
taaattaaaa ccatacttta tgtgtactca gccacagaca taattgaatt actgacagcc 360
atgaacagat ttttaagtga cagaggctcag ataaagcaaa cttgctcagg atagcacata 420
atactgaata tgaacctaca aatgaaaata ggtaaggaaa agtaacagtt ttgtttttta 480
atatttgcta attttttaat gccttagttc ttgagaaagg ccaaaatctc atgttgacat 540
gaacacattt taaaaaatgg tctcttaagt gtaatannta ataaaactag gtattg 596

<210> 1142
<211> 454
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI230988

<220>
<221> misc_feature
<222> (1)..(454)
<223> n = a or c or g or t

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gcttgggcag cggcacgggg aggcctgggt aggggtgggg gtccctctgt ccaggccaa 120
ggggtagcaa agcccgact aacttcataa aatacaaaat aaggagagg tgacgggagg 180
gagatttgta aaatacaata tcttaggggg tcggcaataa taaaaataa gggttcattat 240

ttacaaacga tttctgttct tggctctctgt acagtangaa agtgggggtg tgtgtttgtg 300
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 actatggaaa ggaaacaggg gtggcccagt gagtgggtga ttggaggagg acggatagtt 420
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<210> 1143

<211> 527

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI231007

<400> 1143

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 gaaaaacaa tctttatgcc tgattttaaa aagttgaaaa gaggtggatt tttcctttat 180
 ggtgctgaaa ggaaggatgg agaagagga gaaaataaaa ctgtgaggat caagactggc 240
 atcttgtctg tacttatttt caggacaact ggggagaacc tgctgatttc cagagctgat 300
 cccagcctgg gacttcggga aatcactgag cacacagccc atgtctgcca tattgggttct 360
 actactcagt ccctccaaga ctgtttcata actgagaggt cattagcaag tgcattgggtg 420
 ggcagaggtg ggacaaggct gaatggccaa ctgaggaatc tctgcacttt ctgattcaac 480
 aaggttaggc catcacagcg agggctctta gacataagac aggagaa 527

<210> 1144

<211> 327

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI231010

<400> 1144

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 ctgtcagggg gagccttaac cactgataag ggtcagggac cgaggaaatc cacgcttttc 180
 ccaggagtgc agggactttt ccatagtcca agccgctttt gtcaggcttt gagcgttgag 240
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 atgcgtgtca aactgtcaa caggaag 327

<210> 1145

<211> 618

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI231011

<400> 1145

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 cagaacccac agacacacag ccatgttcac agcctgacat ccaagctccc acacacccga 180
 cctctgaggg cgggaggaag gtgctgactc agatgcctgg gagaacacat gaacttgtaa 240
 agaagataaa gaaagacatc catgttttga tattggaact aaaatggtaa gggctttggc 300
 cagagtaaag aactgctcag tcgtatagaa aaggcattca gctgtcacat gtgtttatat 360
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agtacacatc tggcagaagc cacctgagac cattcaccgg tcctctctgg taatgctgca 540
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 agcaaacacc ccaaaagc 618

<210> 1146
 <211> 461
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI231127

<400> 1146
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 caaaccacgt gtggtcacaa gacataattg acagaaacag ttcaactcat agcttatagt 180
 gatgccattt ctccagcggg acaagagctt tacaggatgg tgccagggct ttcttgagcg 240
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 tggcaccggt gttgaattcc atgctttgga aaggctcctt ctggtagtca gcgccaagat 360
 acgaccgcca gatctgtgtg ttcagtgggt gaacaaccgt gtttgagggg atcgaaagct 420
 aaaactgacc tctctcccct taacatccca acccatccaa g 461

<210> 1147
 <211> 523
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI231140

<400> 1147
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 tctccgtcag gccgtatcag agtattgact ttggccacat ctatatcata gagttttttt 180
 cacggcctgt ttgatctggg gcttggtggc cttaacatcc acaatgaaca caagcgtgtt 240
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 gtgggtcaagc ttgtttctcc tgggtgcact ctttcgagga tattttgggt gcctccggag 360
 ccgcagggtc ttgggcccgc gaaagcgaag aaggaagctc ctgcccctcc caaagccgaa 420
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 aagaagaaga tccgaacgtc acccactttc cggccctcgt gcc 523

<210> 1148
 <211> 528
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI231159

<400> 1148
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 atgattgctg actcagaagg aaatacgcca atggaactga gaaggcaaaa tttgggagct 120
 gggacagggt ccgatgggcc tcccactcct ggaagaggcg gatcaggtag tcataattcc 180
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 agaagctcat ctgctttag agggccagggt agaagctcct gttctcagggt ctgcggtaac 360
 ccagcctgca agtcccactg gtgaggctga acaaggggtg gaacacacac tccatgctgt 420

acagggtctct ctcgatcagg tctcgagcca tctcctgata ctcctgaaag cggcaggcat 480
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<210> 1149
 <211> 574
 <212> DNA
 <213> Rattus norvegicus

<220>
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<400> 1149
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 aggcgccaga acctctgggg tccctcttcc ttccttctcc ccagatcttg cagaaacacc 180
 caagtgtctc tcagcagagg gtgaagcgtc tggcactgat gttcatgcgc gtgagtccca 240
 gatgccgcag cgggtggggcc agagccaggc ccattcccaga ctccaactcc atctccagct 300
 cggcctcatc cagaagctcc tgggtgcagg gacagacttg gtccactttc agtcgggtgca 360
 gctgggcccc cagcctgagc agctgccccg ccagctgccc gtccctgagcc cgcattctct 420
 gcagctcccc tctgagccac tcaagcgtg aatccatgga gtcgaagcca cagatggccc 480
 caggtcccac cggctcaggc ctagcttggg ctctgcacca ggcccggctc tggactttgg 540
 cagtccactc cagatatgaa ggccgtcggg tctg 574

<210> 1150
 <211> 673
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI231196

<400> 1150
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 tctcgcccat ctgctggcca ctgcgcttgg tagtaatcag taatcacatc gcattcccac 180
 acggaccgcc ctgtgtcacg ctaagactcc tcccactcaa ggtacaagaa cccacgggaa 240
 gtgaaaacgg caaactcatg agaaagaagg caaaggccta aggactgggc tctgagtgtc 300
 tgctcacaca gacctcctat ttgttcctat cagtaaaacg gaataataga aatgaaagct 360
 actttaatga aaagggaacg taggtatgct cattaaatat aactactgga attttaata 420
 taaataacctg tactccctga ttagtatcag gcagaagcta aactatttat ctagaatcct 480
 ggtctcagag aaaaaaggtc agagacagag aagggtgctc atgttatcag gtccattttg 540
 aaacagccca gggccttcaa gagaaccaca ctagtcttcc tttttatcgg agacctctgt 600
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 cctattgtcc aat 673

<210> 1151
 <211> 584
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI231226

<400> 1151
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 tcactttttc ttcttgcttt tcggagtttc aatgggcttc ccctcagcca aagccaactg 120
 tttctttaga tccaagagtt tagccacttc tgcagcaacc tgggttctgt ctgccttctg 180

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tgctttcagt tcccgaacta tgtttccctg tttggttacc tcatccacca gcacttgtat 240
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ctggccccct ccaaagcgct gcctcaaatt ttcaatctgg tcattttcca atttctggaa 360
caaaggactg actgtgccaa ttcggtggcc tgctggtaag gtacaaatga agcttgtggc 420
aaggatgcgg caggctgcct ctgggagctg gagctgggtc tgaatgggtg agctgactgt 480
gggcatgtac ggctggagca tgacagacag caaggcagct atgttcaact ccatttcctgt 540
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<210> 1152

<211> 586

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI231309

<400> 1152

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cctattttgt acatatttgc atataaaagt tgtccttcct cagggtcagg gagacaggac 180
tggtgcaacg ggcctccttt gaagtgcctg tctctcttca ttgatgatgt tcaggggcca 240
aagaattcaa gggcagctcc tccccgcttc tcctcagact tggatctcac tccagtttag 300
gcttctcttt ttcttcttct aaacttctcg gggcatccca gatgtagctg ttgagtgcct 360
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ctcctgagcc aatgtgttcc aggaaaggtt acaccacat gccggtgaca tgatgtatcc 480
agcacacca caatatatag cccacggaga aagtgcatat ggcggcgagc ccaactgcttc 540
tgctggggta ctggtggtgg gacgttctca tctcgattag tataaa 586

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<210> 1153

<211> 525

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI231310

<400> 1153

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tcccagcttc ctaaggcaca gaatttagtc agaaagccaa catcatcgcc tgctgcagct 120
gaatacacgg caggggagtg gcacttgga cagtctctgg acaccatagt cactgaggaa 180
aaggtctacg tctgagcatt tagttatgag gccagttctg caggactttt tgaacaaagt 240
aatttctcaa accggctgaa ttcaccagtg gtgaggaggg ggatttgata taaagagttt 300
ctttatataa gaactatgca tgtggaaaag tagacggagg gcaaacccta ggacgggcct 360
gagccctagt tagctaccaa tgcttggcac tccataaagc gcagtggcgg aggaagaaca 420
gtacacaggc atttgcacgc cacctgcagc ctaccgggtc cgccagctcc tgagatgggt 480
gagatttact actggacgcg tttttttatt ccatttttaa atcaa 525

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<210> 1154

<211> 446

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI231388

<400> 1154

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ccctaaaaca caaacaaaac agcaagggga gtgcaagggt cacccaaaga tacagaaaca 240
atctcaaccc cgccacttag ttctgattgt ccttggttgc ccgccttgat tttcagaagc 300
cggaaattct aatttaattgt gaagcctctc gattcttaga gggcaactcg attttcttgg 360
aaacattaaa tgaactaaaa tgtagcagcg agcccggcag ctttctgcgc tctgcggtag 420
acgtggtggt acactgccac tctcca 446

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<210> 1155

<211> 534

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231439

<400> 1155

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ccaaggcccc ccgcggctct ctgtattgtc ccttggaagg gttcctgcga ggtccctcct 180
gagaaaagga cattctgagt taggggcaag attgcctcag ggatagtcgc catgcggtcc 240
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cggtgccggc caccgctttc tattggaacg ggtcttcagt cctgcagcta gctgagagtc 360
cccgtgccg ccgtccggtg cactcagtag actcggtaga ctgggtacac tctggagcag 420
ctgcccacgg agacggtcgc ccgaggaact gcgtgaggcg catggcgctt tctctcacc 480
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<210> 1156

<211> 526

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231448

<400> 1156

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gggtgcacag agggggcgga cagcagctcc agaccagctt ctccaaaag cctcgtggtc 180
caagtccggt ggtacgcact ctgggcaggg aggggcagga ccatgcagt cataggcgag 240
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gcttgatgaa gccgatcagt ccattagtgg aggagtcagt ggaggttac gcagagctgc 360
cgtccagctc tggctcaatt ttcttgcca gctgcttccc cagctccact cccactggt 420
cgaagctggt gatgtcccag atgatgccct gaacgaagat cttgtgctca tacatggcaa 480
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<210> 1157

<211> 446

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231506

<400> 1157

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gcttcaaagg agaaggaata gggaaaggat tgtttatata gacatatcaa agactcaaaa 120

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gtaaggaaat atatatatat ttctctcttc taacattttt atgcaaatta aaaatcagag 180
gcttttggtc tctccatttg cacaagggtca agctcattta cccacagga caaagagatt 240
gtcccttaaa ctctccttcc ttctttgtac tctggccac ccagtggga aacagaagat 300
cccaaggcag ggcaagagct cctgtgacct gggaggagga aagacaaggc agctacttcc 360
ccacctgac agctcccaca ctactgccag ggcctgggtc cgaggggtcc tgacagtcct 420
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<210> 1158

<211> 542

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI231547

<400> 1158

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ggttgcctgc cacattgttc ggctcaccct tcctctcagc atcagtggga tggctctctg 180
cagccacttc tgtcttggcc ttatgttcct cctcagccag cctctcaaac atgttggcat 240
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tcttggcggc tttgttgctg ggatagagct gcaggacctt ttggaagtca gctcgtgcc 360
ggtcaaagtc attcacggcc aggtgtgcct ctccccggcg aaacaggccc ttctcattgt 420
tgctgtccag ctccaaggcc ttgttacagc ttctgatggc agctgagaag gcctgcagtt 480
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<210> 1159

<211> 689

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI231763

<400> 1159

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aattccttca ccatctcctt caccgtctc ttgttctctc gctcacgaag tatctgctg 180
ctgaagggtg ccttctgctc agggctgaga cgggcagatg gaaagccagg tggctgtaga 240
gcctccttga tccacatgct taggaggctg aagcagtgtt tgttcagggc gaacaggatg 300
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ggatgggtcc tgggcccctg ttggaagaga gagagtgtga cggaggtcac cagcaggaag 660
aaggcctcta ttgggggaaa gtgggcaag                                     689

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<210> 1160

<211> 664

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI231792

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 atcaaaatgg tggcacatct caaagacggg tttcttggtc ctgtaactct ctgcctatcc 180
 ctcaaaacct aaaacccccct acggtccaga gctaacagga agacagccca cagccaaggc 240
 taaatcacgg tacccatgca cagaaagggc tcccaaacia gcagaggggt tagacttctg 300
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 cttctagctg ttggctttca gtttgtggat ctctggtttc aggacctttc ttatccttgt 600
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 ggaa

<210> 1161
 <211> 410
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI231797

<400> 1161
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 agtaacgtga agttactgtc tgtattggag aggttgttagc tgacaaacac ctggttgctg 180
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 agtggacgag ctgctccac agcctcgac tgaagtgtg aagcgacacg tccgcggcgg 360
 cttgcggctc ctccatcccg ccagccaccg ggcacagcc tcctcgtgcc 410

<210> 1162
 <211> 651
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI231798

<400> 1162
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 caaaggggag attctgacac agtcaaagac acttgctccat caaatgactc acaggacctc 180
 tctgccaatc ctggcagtta gactgggggt cccttggtc tccctttagt ctctgtttt 240
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 gtgtagtcag gcctcacacg cgtgaggcgc cagtagcatg gctcgtcgtg ctgccacagc 600
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<210> 1163
 <211> 652
 <212> DNA
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231800

<400> 1163

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aatataaaca aaacataagc aaactggcac tgtgtggtgg tgaacacctt caagcccagc 180
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agtggattta ctgtcgtagg aggtgagca tctgcatgtt ccttatgttc cagaaatcct 360
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aagtcagcca tacgcatggc tcgttcgttg gtgtctccca gctttccata gtcgatgagc 480
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cgaactaggc ctgtgagcaa gttccgtaga aggtggatcc gggactcggg accgaggccc 600
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<210> 1164

<211> 712

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231801

<400> 1164

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atttgaaat aaactttttt ctagaaaata tatgcacata ggtatttctt agaccatgtg 180
tagccactc ttctcttggg aatcttcata aaagcgctc agtgactccg ggattctggg 240
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tgccaaaaat gtcacatttt ttagctgttc aattccatcc atttccgtta acagctgagc 600
caaaacacga tctgcaacat tcccggcacc tgaagaactg cccctttcaa cagccaaggc 660
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<210> 1165

<211> 591

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231805

<400> 1165

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accaataaac acgaaaaacc attttcgact atgtgtacc ttcgcttgc tatgcaggat 180
ccaaagaatg caggcaaacc ctaaaaatgt agcagaagca tttccgcaca ctggcatcaa 240
aatcgagttt gtgcagaagt gtttccacta gattcataga gtgttctttg gaagaaagga 300
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gaggctccag tggctgccgc gcttataaaa aacgccaaag gaatgagttc cttatttttc 540
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<210> 1166
 <211> 574
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI231808

<400> 1166
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 ggggtgggga ttttctcccc acaataaatg actactatgtt atttatgtgg cttactacgg 180
 gtataattat atagtgttgg actttaagaa caagaaatca aagtattcag aagagacggt 240
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 tcaccttttt cccagcttg gccattctta tctttaaagc tgtaaagaa ggatcctcag 360
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 cttcttgctc tttcagagat atggaatttt tgtggggaga tttatgggtt gtgttttcat 480
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 gactacaggg agctacggga tggtaggatg gctt 574

<210> 1167
 <211> 578
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI232006

<400> 1167
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 gatctcctct tctcatcac tgccgaacag gtcaatgtca ttgtcctcgt cgtcctctgc 180
 tgggtgtggct cctttcttgg ctgggggctc cacttgacgc ataggagaga catgttgggt 240
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<210> 1168
 <211> 586
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI232065

<220>
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 <222> (1)..(586)
 <223> n = a or c or g or t

<400> 1168
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aataattggg tacggctgaa tagttaagaa acctgttgct tttatttaca ctcttgatcc 180
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gaggaacgtc agcaccattt gcagctctgn cttgcttttc gtgtttttcc cggtcatacg 540
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<210> 1169

<211> 582

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232087

<400> 1169

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<210> 1170

<211> 539

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232103

<400> 1170

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agtgggggag ttgggagagt tgggtccac tcctcaagca tgaggagagc cagttaccac 480
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<210> 1171

<211> 486

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232209

<400> 1171

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486

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<210> 1172

<211> 564

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232266

<400> 1172

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564

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<210> 1173

<211> 588

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232269

<400> 1173

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ctaaattctt caaagcagaa acttgggaatt ttttgtcttg gaaatgttat aaaaatttta 360
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acaaggaatc tgcagtctgt tgttgtagcc tgacaaaaga aatgtatcca ttaagaattt 480
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588

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<210> 1174

<211> 618

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232273

<400> 1174
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gcaggcaact cattcacaag ataaagcaaa tgtcccagcc gttggcgatc tcctagcctg 180
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agtcaaggaa gcaactgccag gacactgtac agcagatggc cacttcccga cggcctctcc 300
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ggcagccacg tggtagaaac agctttcatt ggcacatctg tactttcaat ggaaaagaaa 420
tgaagtcttt aatgttagga ggctgtgctg tcttgctggg acatgtctgg ctgtgggtccc 480
gctggccctt ggcactcggg ctcatccaca cacagcggag cccgctgtct gtctcacagg 540
atcacttgag ggtcttgctg aggttagaga agccaatacc aacacaggtc attagcactt 600
tgtccccgcc cttgagtt 618

<210> 1175

<211> 641

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232294

<400> 1175
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gttttagttct aaagaggctc tagaccacac tcttatcacc attagcaagg ttaggaagtt 180
gatttctggc taatgatcat cacaggttct ataatacaga acagagagga gttttctaac 240
catcatcacc acacactaac catcaacact caataatagt gtaatatctt tggaaaagcg 300
caaaaagatt tctttagtgg aatcactttg gaaagagtaa caaacaggtc tctggattcc 360
caaccttccc tccaccatcc tgcaaaatcc atgctgggtt ctggcgtagg gtctgggttt 420
taataggagg cacaagggtat gcctaactaa ggtcaagctg tgcccaccac catttgtoct 480
gaggactatg caacatctct ttctgggagc cacgttcctc ctcaagctgg caccaggctt 540
tagccttttc cttctcctgg catgaaatcc ctgaggtaat tccagtgtct tgtgggtcatt 600
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<210> 1176

<211> 614

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232303

<400> 1176
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atccctcatc ctcagcttat tagactggaa aagtttgtgc aaagagatca ccagagggtc 180
caaatatggg ggttgggtca ggccagggca gcagatgaag gaaaaggtag ggggtctgtg 240
gagggccccc gaaagaccag gggagcagga gctagggagc caaaggagggt gggaagagta 300
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cgactgtggg aagcatgagc acagggaagt atccgaagct tgtccccgtc ctcatactca 480
tccagacaga tggcacagac atcatactca tctccttttt gataatcatg agtaggaatc 540
tgtttcagtt gctctttggg aagtctgttc cggtgaagcc gcttccgggt ctggatgcaa 600
cgaactatca atac 614

<210> 1177

<211> 601
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI232328

<400> 1177
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 tcctctcagg ttccagtttg gccttgctgg ccttctcaaa gcagtctgcg tcggggccat 420
 gaggggtcat ggcactgtgc aaactgccat gatggctctt ccaaagaaag ggtggtgata 480
 tcatttacat ttttaaatta aaaaaacata acagaatata gggccagtag cacagcccac 540
 cctgtaaagg catctgccac cgaggctggg actctgcttc tgatgcctgc gatccacttg 600
 g 601

<210> 1178
 <211> 601
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI232340

<400> 1178
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 caagtggaaa aatacactgg ctgacattgg caagctacaa tacatctata tgcatatat 180
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 agaaacataa aaagtgcaca aaaatatatg taaaaaatgc cttgcaaata gttatcaaaa 360
 ccaccagggc cgtctgtgat cattaggacg tatccaattt tatcttggtc ccatttctga 420
 ttggaaccca gaatccccac tgtggcttca cggcaagatt ctggcttatt ctttttttc 480
 atctctgata ttcgaaaact cagagcccac ggagccactg ttgaaatata taggactcag 540
 gggcaattgc aaaagtccaa ttccttaag ttttcaaatt taaaattgcy tttcggataa 600
 t 601

<210> 1179
 <211> 572
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI232341

<400> 1179
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 gaaaagaggg gtgtaaagga acccccatct tctaacttag ttgggggaac aaacatggag 180
 tagatctgtg ggaggtgggt ggagcaacag aggagggctt cctaaagcac aatggggcct 240
 gggaatcagt cctctgtctt cctaccagac cctgcccttg aaggcctctt ataaactctc 300
 agactgtgag ctatgccatc actgaggatg aaaaaccagg aggtggacat ccatgacatt 360
 ggttcccgtc aaccctgtat gcagcaaatg tgttccacc tggaagctgc aaaagaacgt 420

gtacgagtca ttgttgtcga ggaaggtggc aaaatccagg ttttcagcag aagcctggct 480
aacaaggtca gacatgaccc aggccccggc cacctttgta ggcccgtcct gcccatcagt 540
gcctccactc aagaacagca catcaacagg cc 572

<210> 1180
<211> 506
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI232408

<400> 1180
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ggcctaacta ctaagctagt aagatacgag acattgatta agtttagaaa ttataatgct 180
tttctttttt tggcattatt taaaaaaatc tttaaaatac atactcaaga gagaaaagtg 240
actacttaca ccagcaccag tctaaaaagt ccattttttt ttttttttgt aacaatggca 300
catgaagtta cctgcacagt ctttaggaaa ataaaccgga agctgggaag ggcaaagggtg 360
gcctaccagg agggctacat ggaagtgagg aggattctaa gaaaggcaag gggacatgctg 420
acacagactt gctctctggt gtgagtctct tccacagtt ccaaaactga gctggacca 480
acttttctg ctatcaatag aaaaga 506

<210> 1181
<211> 446
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI232409

<400> 1181
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ccagtcacct tctcaaaatc acagataaga ctggcattct tccctaccc ctactctctg 180
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ttccagagct acagcctgga aggggttgct ctcgggtggc cctgtaggaa ggagcagatg 360
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aactggaacc gctccttag ggtgga 446

<210> 1182
<211> 359
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI232419

<400> 1182
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cagttatcat tgtcctgtaa tgattaaaac aatgggtcaa taatcagcaa ggtacttctc 180
taaaatactt aaaagatatt ctgaggagtg cagggcaggg acataagctc acccagaaac 240
acacaattca ctctgcatgg ccaactagac ccaaagggtg gctgagctga gctgagcact 300
gctttgtccc atgctcctgt tgtacatcca cagcaggagg agatggcaaa gcagctgcc 359

<210> 1183
 <211> 436
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI232489

<400> 1183
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<210> 1184
 <211> 547
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI232494

<400> 1184
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 tttctgaggg gatccagagg agcagtggcc aatggcaa atctctgtga gcacactgtc 180
 tgccctgtgc tggggaagag cccccactat gtgtcgctt tggaccttg tttgtgagccc 240
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<210> 1185
 <211> 535
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI232534

<400> 1185
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 ttgaagccag gagccccaac cagtagccac cagatccggc aaggcagaag caagacagac 480
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<210> 1186
 <211> 510
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI232552

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<210> 1187
 <211> 370
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI232611

<400> 1187
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 ctgatttcac atagtactg gacattaaaa tttgacctg aatctgccat gtctgttaca 180
 ggcaaacgca ctacaatctg caggaggctc tgttgtgagt actgtccagg tgtttgccaa 240
 agaaggatag aatttgcttc catgcatcta tctgggcttt tgagttagcc ctgacctccc 300
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 aaggtggctc 370

<210> 1188
 <211> 448
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI232612

<400> 1188
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 tggttttatg aggctgctca gtgacttgga ggctagcctg ggctatagga gaccagctc 180
 cacaaacaaa aagatccacg gatgagaagt tgcttcataa ttcacatcca tcaatcccat 240
 ggggacagcg aggcttcga ccaccataa aagaaagggt gtgtctacaa tactgtggct 300
 tctactggcag ggactacact tggccttgga aggagtccag gtcacatgtc acattccacc 360
 cttcctgaga gccctccct cctggcctgg aagttcaaag tcagctggag acaaaggctg 420
 gctggcgtcc caaacacact tgcaaagt 448

<210> 1189
 <211> 605
 <212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232643

<220>

<221> misc_feature

<222> (1)..(605)

<223> n = a or c or g or t

<400> 1189

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ggatttttaaa tgtgaatggg tgccaaccat ggggactgga ggagggtggg accagcaaag 180
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aaggccaaag cacttcctta acattcgaaa tgtttcccta gtagacttgg tatagtaaga 360
gaatgattgc taaacatcct caatgtgggt ttcattatga aaaaacatgt ttcacataaa 420
atcttcataa tataatccag aggccaaatt tgtgcatgtt taaaatttga gtccaggcta 480
gatatttgga ttttccccc cttccagtgt ttttcatttt tataaatata tacctagnct 540
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cagtg 605
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<210> 1190

<211> 646

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232700

<400> 1190

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agggtcaaaa aataaaaaca aacaaaaaca aacaaaaaaa accccacaaa acaaaaacaa 180
agcctcctcc ttccttaaac aaaagaaagc caagaaatgg tgtctgctct agctcagtgt 240
gaaggcctcc ttagaggtag gggagcaact gactttatta ttttctaaca gtcattgagt 300
atgatgctac ttaaacccct agacagtgcc ttcaaaaaca ccctcttctt ggggtccttt 360
tctacaaaca tcccactgaa gggataaatg ttctccttga acccagagcc acccaaatg 420
ttcaagtcaa aaatattttac acattttata ctgagttctc ttttgtctgc taaaaatagt 480
attgcaaatt ttggcttctt ttgacataaa aatcacaaatc gtgtgcaaaa tgcttgcaat 540
gaggcggccg atgggacaca agcagaggct attcaaccag aacgttttaa attcccgcac 600
tcttttcctt ttctaggaaa acagaacaaa cgaaagcgaa cacctt 646
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<210> 1191

<211> 594

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232706

<400> 1191

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tattttaaca ttataaatc aacttgacgt agctgaaaaa cagacagcag gtaacaggac 120
tgactgaaac ttagcatcta tcttactgca gggaagacaa agcctcatca cagacaaaac 180
agctaactca gcaggcatgt gcacgcgtca ctttcctgtc cgtgacaagt tttggaaaat 240
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tacactttca aagaaccagc cttacaagta gatattcttt ccaaaaaata aaaccagta 300
tccaagtcct gaaaactcac aaaactagat gaaaacatgt ggtggtgtca gctgcgggcg 360
acgctcaagc caggctctca ccacgatgga tgactgactg actgactgac tgactgactg 420
actggggagg tgaactcact cccagcactc cctcctgagc tggaaattgt cttattgctg 480
agttatacac aagtcatttt ctttggaac atcactagct aacaccaagg gacaagtgt 540
aaggtttggg ctgtcagctc tccaagcact gtggtgccc ttctgtgggt ccca 594

```

<210> 1192

<211> 595

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232784

<400> 1192

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ccaaaaaatc aatacatctt atttgattta tttaccatgg tttcagaaga gacgagagac 60
tattaacgag tcgctcttgg gaacgacctt tacagggtt gttttcatga gtgtcaccca 120
ggagagatgc tcacccggcc agtttgcttt tctctgtggc tagggagggc ctgtcttcca 180
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caaaccttcc ggtcttctgt ctgttttagga aagctttcag tgctctttt ggatcatctc 360
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atctgatgcc ctgctggatg aagtctgcag ccacggactt ggtgaggccg atcacagctg 480
ccttggttgc actgtacaca catctgttct ccacctttt gatgctggag gccacggaag 540
acatgttgat aatgttgcca gatttttgag caagcatttt gggcaggaat gccct 595

```

<210> 1193

<211> 476

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232924

<400> 1193

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cttcctccct ttcttagatg aagtcttatt ctgtaccaag gctggccttt aatctgtatc 60
aatcttcttg tcttggttgc tcaagtactg gtattctggg cctacattac catgcctgtc 120
tccaacaatc tagtttttaa aaaaaatatg gaaataccct ctaatagcat atatgtcata 180
cataacattt cagatcaaag gaccagtaga atttaactca catttaatta aaacaaagat 240
gccatgagta acacgagctt tggctaagca ttaaaattct cttttacact taggaggagt 300
atacacacaa ataaatgatc tgagaaatag aaaaagaaat ctgattagaa tttggagact 360
aatgcaagga gaagaggata ttaatacaaa ccctgctcg agtgcttgtc tggcatggac 420
aagaccttgg gtttgttgcc caacaccaac accatcacac aaaaggaaaa agtctg 476

```

<210> 1194

<211> 521

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232970

<400> 1194

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ctggaaaaaa cacactttat tgggtagaca agtggcctga cagaaggcct cagattcaca 60
gttgactgag caacatagg ttaagggtgt ggaatctgtc tgcacccgc cccagcctcc 120
tgggaaacag ctctgaattg agtcatgcgt gggagggttc cgaccagtt gggatcgatg 180

```

```

acagggctcc cccacttcac ctttcccaat ggctctgacc ttcattgata agactgaatt 240
cttaaaggct aggagcggag aggggcctgg cactccgatg tgtagttta atagcaagct 300
ggccagagac accgtgtgcc agttgctgcc acacgcgaaa tggagacccc tgggtggaggg 360
agaaacctct cagctcccgg agactattta tagctagggc tccaggctgc tgatctgtga 420
cattctcctg ctgccaccaa accttggaag ggggccagta caaggcatac tcccatcccc 480
ctgctgcttt ccctcacccc agggcaggct cttttcaatg g 521

```

<210> 1195

<211> 388

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233081

<400> 1195

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gaacagacaa tgggtttaatt ttatttgcac aaagtgggtca tgaaagggtta acccattcaa 60
agacatTTTT gatattccaa catcctctgc catgagtcta ttacaaatag atccctgcct 120
gccacagagc agaagttaga ctgtcagccc agcatggtaa gtaattttta tatctttcca 180
aaggcagctt atgaacaatt ccacacagct agttaccagt taatgggtgca tagaaataca 240
tctgtgggtg tcatggacaa ccagatctag atatatgaag gatgagagtg gcattttttt 300
ttccctatca aggtatttta agccttttag ggggaatttct atagtgtaga atttaacttt 360
catattaagg ggtatcttaa atatatcc 388

```

<210> 1196

<211> 549

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233147

<220>

<221> misc_feature

<222> (1)..(549)

<223> n = a or c or g or t

<400> 1196

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aagtccctgg acaacctcat tcaggggggt ctccctgtag atttgggtcca gcaaatgagg 180
ccagccatgt tttagcccct tgactcactt ttggagattt ggctggggta ggaaagcctt 240
taggaatgag gtgattaggt tagggaaatg cattattgtt tgggggggaa ggagacagcg 300
ccctggggcan aacctacccc caaagaaaag ggtgtctaaa atgttcacgg ttccttcttt 360
ttgcctcaaa aagtgcatt tattcaaaga gagagagaga gaaaaaaaaa acaaaacaaa 420
aaaacaaaaa caagatgtcc atcccttggc tcccttccct ccccccctca gctgttctct 480
agccctgccc ccaggactga accctgggct agggccagggt agcaggacag cccctcaaat 540
gaggtcaac 549

```

<210> 1197

<211> 553

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233162

<400> 1197
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 ggactgattt ttttccccct tttggaaata actgaagaga accagttgtt actgctttca 180
 gctgccacca gtctggagct gcacctggag aggtgtttta tatctacagc agtcaaagtc 240
 aaggaagaag tgaactccat cttttcgcag ccccgaaacat gttataaacc ccaatgggag 300
 caaatcccac ctaatgtttg gcagactcgt tttagaattt actcaaactg cagcacaac 360
 tgtaaggggt ccgggggagga cataggacac ggtggacggg gtggtactca gggcccagca 420
 tgagaagagg cagagctgga ccccgacagc tgctgcttta ggacctgctg ctctgcacga 480
 cggccacgat atctggcaag aggtattttc tgttctccct ggtgacactg aacacctttc 540
 atttcacttt ttt 553

<210> 1198

<211> 566

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233164

<400> 1198
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 tgtaactttc tcttcataac ttttccttat cttagccaga ttggtggggc attttccagc 180
 ccctaggaga ccgacccttg gagcctgggg gcagacctgg cactccctac cttcaggcgt 240
 ctgaagagag caggcagaag tgagggcctt ctatccgtgt ctggaacatt tttttctggt 300
 ctccagtagg attccgtctt tcatcggtgg taaagaagac ctgtaacagt tactaacaag 360
 catatcaaat gggatggtga gaaaacaaga gaatcttgag aatagagtct accgaagagg 420
 gcaaacagca ttttagtcaca cagctaaacc aggaggcctt tcttggaaca aaaaggccat 480
 tgtcagtgct agctccatgg ctttgcctct caagagaacc agcctccaaa tgacactagg 540
 ctttctagta acaactaata acaaaa 566

<210> 1199

<211> 525

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233172

<400> 1199
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 cttacgtgaa aaaatcaaat gtatccaaga ataaaaaaca cagcacataa agtagtgtat 120
 gcattccagt gttccgcgcc gcacacagcg ggcacccaag aaaaagctct tctaatggcc 180
 tggtcatga cactggccg gggcaaacgg ttcggttcag ttcttttttg gcggcagcag 240
 gccggccctc aggcacagtg tgggggccgc ctgectctcc cgcggcccgg cgggcaggag 300
 cagcaccagc ttctggggcc tccgggccag cggggaaccc caggccagcc cgagccgcct 360
 gccaggcaga accctccagg tgggggtgat atgcctggtc ctctggggca gcagcagcag 420
 tagcagcgac accctcagaa ccgtgggctc cagagccggc cacagagcac ccttggaagc 480
 cttctactta gtcggccttt ttcagaaaga tctcactcaa aatga 525

<210> 1200

<211> 539

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233182

<400> 1200

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cttagaaagt tactttatta gaatttttaa cagtttaggc aatgaaaccg ttctaacagc 60
aaatgcactt cctgcttaca atgaaatcta tttcaattct gataatgaca tgacagggtcc 120
atccaagttt cttccaacag aaaagccac agctcaaaag ttacgggggg aaacatgact 180
aagccaaagg acttcacatg tttaccacag aagtgatata cattaaaata ccacataata 240
ctttctaaga gaatcaagcc acttgtgaaa ccattagcaa gcatggagac tgaaacaact 300
gcttaggcac aggactaact caggcaccat aaaaccctct gtcttctcac ttaacaaata 360
agattcccta gagacaatta tttgggtgcc tgcttgtaaa aataagggtac ttaatgacgg 420
aacggtttct tgatcatgat catacttggg taatctcaag gaatgaagat gaggattatt 480
agacatgatt acattaacat gaaattcttt atctatacac tctgatttcc atgtcctga 539
```

<210> 1201

<211> 537

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233190

<400> 1201

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gagtttccaa gccaaatgca cttgcatggc actcagtttc tggctgaaat agtttctaata 120
cccctacgtg ggtgcctacg ttctgatctg tgggggtggt agctgaccag cttccgctgg 180
taacgtccct ttttgccctg gtaggggctt aacaaacatt aggtattggt ctagtcttac 240
acagccagtg ctgtcccga cgtttcctgg gaggcataga ccatgtacag gaagccgtct 300
tcactctctc cgctctcgta cacttcaaag atgggtgtgg acacacttac catgctgtgc 360
ccattcacca ggaggaagaa ggcttggtta gcattgagct gcaggcgctt tctaattatc 420
ttgatgagtt cgctcatatt cacgtgatca ggtacaagga acttgggtctt gtccaggacg 480
ggcagctgct tcttaccctt gtatcgctct ataactactg ggatcttggt gggatgc 537
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<210> 1202

<211> 596

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233262

<400> 1202

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agtgtccaag cagaagacaa gctgccttta ttatagttga tgtcacagct ctgcttgtaa 60
tagattcagc ccagaaaca ccccggttaa aacagcacgg ttgacttcaa tggatagagt 120
ctttggtaag gtgaaccaga ccagggtga cgcacaatct tcggggccct ggcccagggg 180
tagcctgtag tcttacgtga ggcccagcat ggctgaagt tcccagctt tatcatctgg 240
cagagagccc agggctgtgt ggaagctgtc gctgtgctgc ttggccagga acgtcagtag 300
tagtagcagt gcggccttgg tgtctgggg gatcctgttg tctggcagga tcaggctgca 360
gatgagcagg agctctgaag ccacacccac aacctggtca gggttgttct ggtgcaggaa 420
gctgaagagg tgacctatag tgaccattc ctccatgtct tccttcaggg gcagggcatg 480
tagcagggtg gctagcacct ggggtctgt ttttctgcc ggactggcca tcagcagacg 540
ggcaagagcc ccacagatgt tatcacggac tcgatcaggc cgggtccctc cgtgcc 596
```

<210> 1203

<211> 567

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233266

<400> 1203

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gctaaggacc tttattgagc acacggcccc tgatgggtgct gacggagaaa ccttaggctt 60
tccttcccag cagcctccgc cacagttctt ggctgagtag tgcctgctcc ctccggggcg 120
cctgcagcac actcctgttc tcctgggctc ttcggatcag gtaggggtatc acctcttcca 180
ggcagccata ggggatagac ttatatacca tgtatccagc ttgccctaat gccagggaga 240
cgtggtcaca catgcccaga agttgtccga agcagacagg cccatccaga ggaatgcccc 300
gctcccacat gcgcctcggt gcctggcgaa tggattcttc attgtgggaa gccaccatga 360
gggtggcaccg gggaccgtgg ttggacacgc ggcgcagcat cagctccaga cagcggctgt 420
aactccgact agtggcctca tagtcaggct gggtacagtc ttccttcccg tggagctgtg 480
tcacggatct ctctttgtcc agataggcac ctctcaccaa cttcacccca aatgccaggc 540
cagcctcggtg tgccgcctta gcatccc 567
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<210> 1204

<211> 578

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233288

<220>

<221> misc_feature

<222> (1)..(578)

<223> n = a or c or g or t

<400> 1204

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gatacacgaa acacagttct aagaggtttc ccactaagta catttttttt ttacacagca 180
tacatttgac aacgatgcc tttttaatat aaaattccgg ttacatatac caatatggct 240
agtttagcatt tacactgtgg cttgaatagc attgtgtgac tccaacattt ctctttgccc 300
actggcagcc aaggctgagg ggcttgggta ggggggctga ccacgggtcta tggctcaggc 360
aatgagggggc ccaggcttcc tgcctccctc ccctctctgc ccacagcatt gattgcattc 420
cgtttcttcc actttccttg ttctttccaa aaccacctga caggggttgt cctgacttct 480
gaggtaggct tcttgtcagg actgcttcgt tttgcccttc tgacttccac ngcacaagat 540
tatctaccaa aatcaaaaca gaatatggcc ttactctt 578
```

<210> 1205

<211> 474

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233300

<400> 1205

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tccttgggat ttttttttcc aagcaagacc atgttttctt aaggggctac aatttcagtg 60
agtctcttct tccggcccca acaaacaccc ctggctgcta acgttacaga cttgttccag 120
cttattgggtg ctgatgtcca atagccttgg gggacctgcc ttcggctctc cacaaggcta 180
ttttgtttca caaagtaact cttcaactta cgctttacta taaagaaaat gtatccgatt 240
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ggccacgcag cagaacttcc tcaggcattt tcacagccat ttagaaagat gtcttcagcg 360
aactcgtcca aattagctac aaacgcttgg caggatggac acgttgtgtc tgtggggcaa 420
tattcaatcc aggtggagga atctagaggg tatatatact tgaaactgaa attg 474
```

<210> 1206
 <211> 425
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI233323

<400> 1206
 caaagtaaat aagttttaat tttcaaaaat gttgagtgtg aaagcattcc aagaattcac 60
 aatcacaaat gaaaatacac aacgtatgca aaaatgtgtg ttaaaacaca caaaaaaac 120
 tgtgaaggat tgacttcagt tgattttgaa gctttttgtt tatttgggga gggtgtttgc 180
 tgggtggctg gttggctcatg gctgacatga tctcactatg tagctgggct gtatcctgga 240
 actcactagc ctcagactca tggagatcca gctgcctctg cctgctgggt actagcatga 300
 ctgaccattt tagttcattt taaagaaata tctacttgag cttttgctcc atttggttaag 360
 acatgtcagt ctggaagaac atacatgcat ctgttactgt gtatgtgtat aaagagaaca 420
 tgggc 425

<210> 1207
 <211> 469
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI233361

<400> 1207
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 tttaatcttg agttacagtg accttttaaa aacagaaagg cttttgattc acctacaata 180
 tgagaacaag tttgtaactt aaacagccat aaaacaaatc acgcctgctc atgaaagcaa 240
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 agctggaagt gcgtgcagag tagcagagag gaggtttgaa tgatgcagat ctaagtatat 360
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 ggggtggttc tatcatctac agatggccat tacccttgg gggccgtga 469

<210> 1208
 <211> 124
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI233367

<400> 1208
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 tccatggcct tcatttcaac ttctgcttct ctttctttca gggaatctcc aggatgtcac 120
 tcaa 124

<210> 1209
 <211> 424
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI233407

<400> 1209
gagttctgaa gatgctttat ttagaaaaat accaatactg acttaaagat ttttaatttt 60
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tacgaaataa atacacagta actaaaagag atagttatcc atggattcat ttggcaccac 180
ctctgctcat cttctgctgc agtttccgat gccttttgta aatccttctc tttctcgctt 240
tcagatccac ttttggtctt ggtttcaccc attgtacttc tattgggttc tcctctgctg 300
gtgtaacaaa cacatctgca gtgggatcgt gtggaagaat agtctttggt tctttcttcc 360
ttaatttctg aacatctttg acttgctgtt tctctctgta cttggcagct gtgatggacc 420
ttac 424

<210> 1210
<211> 551
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI233457

<400> 1210
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gccaaaaaaa gaaaactggg aacagtgatt ctcatacagg tcaactccaa atccaataacc 120
cactgcagtc aggaggcagg gaggagacag cacagccccc accagtttct gcataggagg 180
catgctggga gaacagaact cgaatgggaa gttacagaag aataaacagg agaacaggaa 240
attgagcagg aaagagaata ggaaagagaa agaacttaac aaggtaaatt aaggtccatg 300
gttcttgagg gactgaatgc acagagccga gaacgtcccg gagatggggt accacgaagg 360
gtgtattctc atgcacaacc gcagctcgga atttcagccc acacacattc caccttgaaa 420
ctctgtgttg tcaaggcccc tgatggcctt caccgcattt tctgcccgtt ccatgtgtac 480
aaaggcataa tctttcacga tgtcacattc gatgactggg ccgtactcct caaacttggc 540
ccgaaactct t 551

<210> 1211
<211> 475
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI233468

<400> 1211
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acttactgga agctccctaa ggcccttttag ggcaagtacg tcagtcgggt taggttacta 120
tgagatcacc ccaattaatg gggaaaagct actgtacagc aggtctccag taccttgcaa 180
actcagaatg cacaaggcct tctcttacct ataatacatg agtgcagctt aatttctctg 240
tggcatttgc cactggaagt tgaggctaaa gggttgatcat tagatagtga tattgattaa 300
aatctatttt agggcatttt tgtgatttta tgtttgaact gaaaaagtct aatgactgat 360
cacaaatgtg aacgtaaata acaaatgtga acgtaaatac agagtgttaa gagaagtaaa 420
tacctgctct gggttagaat tttcggatca ggaattctgc cccaccctt gtgcc 475

<210> 1212
<211> 401
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI233480

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<220>
<221> misc_feature
<222> (1)..(401)
<223> n = a or c or g or t

<400> 1212
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gagacacagt ttgggaaatc caacccaacc tgtttaactg ggaatggggg aactttgctt 180
gaagtccacc agatccagga ggaaaaagct gttcctttcc tctccagtgt gaaccttggg 240
ttcatgtttg atattacgtg aagcataagc atgtatgagg tacaggtcac aaaacgctgg 300
ggacctttgg gagcaggacc ttatggggag gggaagggac agagtatcag aacagtcact 360
catacatgaa gcaaaatcca actgangggtt aatggggggag a 401

<210> 1213
<211> 411
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI233494

<400> 1213
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ccatccactt cagcctcgtc gccctagcat tcccctatgc tggggaatca agctttccca 180
ggaccaaggg cccctctccc attgatgcca gacactgccc tcctctgcag catatgcagc 240
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gggagtctgg ttggttgatg ttgttggtct tcctatgggg ttgcaaacc cttcagctcc 360
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<210> 1214
<211> 501
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI233570

<400> 1214
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tcagggcctg tgctctcctg cgggccactg ggcagctatg ctgaaaacc agagcagtga 180
caactgggag gaaacactca cccagaaggc ccataggccc ccaaactccc aaattcttat 240
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agccaacctt gttttttggc a 501

<210> 1215
<211> 345
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI233583

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 gactttcaac aactctcatg tacgaatcgc cggcggcgtg gggcgtggga tgaggggggt 180
 ggggtgcatt acaccagcta cggctgtaca caggagcatc cgtcacatgt tcaccttcag 240
 cactttccca gtctgccgat ctttctccac acagtatcag ctgtcataga actctgtgaa 300
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<210> 1216

<211> 442

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233639

<400> 1216
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 gcattccaca aacatggcca catagtagta catgaacata gtcttgattt agacaggtaa 180
 gaaggatcag attaagtgcc acaaataagt aactaaattc caaggaaata ttgcttttgt 240
 aatgtgaaca atttgattgt atcataatac atattatttt aaaaaacaaa ataaaatttc 300
 tcaatcacgt ttcttcttgt ttctgggcaa ccaacatcct acagagcaac aagaaacggg 360
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 ttctccgtct ccttagtggt ct 442

<210> 1217

<211> 603

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233714

<400> 1217
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 aatttacatc agtaccaaaa tgggcaagaa aatgaaggca caggctcact ctgtatcaat 180
 aaaggaagtc aaacacagtt gtgaggcact aatgacataa gcatagaagg tcaatcaaaa 240
 ataagcaagt agtcagagtc ttcagggact ttctctcctc ttacatttggt caaaattcag 300
 tcttgatatt ttttaatacct cagagagaaa aaaataaata aataggagat ggtgcattaa 360
 aaggtcaagt tacctgtaat tagtcttttag aaataaaaga gatgaaactg aaacacagac 420
 ttctacagtc ttagattacc cttcctttgt aaggatcttg tgtgtctgtg tagaaatgcc 480
 agctataact gaagatctaa gatatttgct gacatggctc ctcagtcctt ctaaaagatt 540
 gtttcacaaa aacaactatc ttggtttcca ctgtaagtca aatttgatta tgtaaaagtg 600
 atc 603

<210> 1218

<211> 556

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233717

<400> 1218

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tggagtttgg tttctgacac ccaaatcagg tggccgacaa cctcttgtaa ctctagctcc 180
aaggacccca cccccacccc catttgtggt tgccatggtc atctgtatat gtggcccata 240
cacaaatacc taagtaaaac taaaatttaa aaagattatt tctctgtggg tgcattgtgca 300
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gctctcaact gctaaacat ctctctgtcc ccacttagga gactttacac gtctggtatt 420
tctgggatag tttcagaact aaaacattct cttcagattt taagcacagg gttgggagt 480
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<210> 1219

<211> 687

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233729

<400> 1219

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gaatcatttt ggcttcattt tagtttttaa caaggtcaag agtgtacca tggaaacttt 240
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tttaagtagg aacgacactg ctgatggtaa gactgtgtcc gaaactccat gacagctctg 420
ggaaggcaga cgtcctgcgg agtggagcat ggatggaatc atgtacctg agaaattctg 480
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tagtatggcc cttcacttag gtacgttctg agcctcaa attttgagtt cccaaagatc 600
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```

<210> 1220

<211> 609

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233731

<400> 1220

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tcagctaaat gttcaaactt aaggctgtca tggacacagc aattccatag tcttctttta 180
agggtgaagt ctttcaaata cagctttgct atgaactggc ccagagttca acagcaaag 240
ggaatgctta acaggggtgg tgatcagga cacgtttcct tggtgccgct ttgatgatgt 300
tgtccactcg tagaatcacc tctgctgctt ccgccgact caaaagaacc tgccgcttca 360
cttgaaagct ctcggttata ccagtagctg ccatatcacc aatgctgcct tccttcatat 420
ccagtccagc agttatacgg ctttactgt gagcagctcg gagctgtgcc accagatctg 480
cactgtcata gcctgcattg tcagctatga tcgttgga cattctcagg gccttagcaa 540
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<210> 1221

<211> 587

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233766

<400> 1221

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ccagactcac aaagtcccc ggccctggcc ctggcctcag tacagtgtct ctgcattgct 180
gcttcggggc cgtttgatct tctcaatgtt tttcaggatc atgtcatgga gcgtgacata 240
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tgtgacagtg cggcgatagt cctccacatg ggggtattta gctattttag aaaccaattt 360
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agttcttagc tctgcaactg tttcctcctg aatcgacacc ccgaagttgt tcccatcttc 480
tatcctggga atcaagagct gaaccacat tttgaccgtg ttacatttct cgatcagcag 540
ccgaatctca ggttttactt tctcaataat gtccacaagc tgggtggt 587
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<210> 1222

<211> 389

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233806

<400> 1222

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acagtgtaac catctaaaaa taagacatcc cggaaacaca ccaactgagg agaaatttaa 120
aaaaagaatt taaatagaga ctttttaaaa tttctctcat tgcaatataa tgttagtgat 180
tttaaaaaaa tagaaggaga tttagcagct tttcgtcgtg tggcaggttg gttctcttca 240
ctgccacagg ctgagaatgc tgaacaggaa aggcaccaa gaaagacact ggcgatgggt 300
gtggactggg agaatactgt gttcaagcag agaatagggc tatttacatc caccaactaa 360
aacgtctcca aatgtgaatg agctaaact 389
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<210> 1223

<211> 563

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233818

<400> 1223

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atcaaaatac catctgtaaa gaacaggact cacttcgac tgcatatgaa ttcgggtccag 180
catagaagag tacaatcaaa aaaacgtaca acagattcct tctgcattag gaaacatctc 240
atggccttag gcacactcat ttgtccatat cattaagaga cagggtttaa tctgacacag 300
agggacttcc tttccaacct ggactggatt agcaaaaagg ggggaaaaaa tcatggtaat 360
attgggacat cctggatgtt tcaaaatggg gtttttattt ctgagctcgc tgtgcatagg 420
aaaacaacca ctttcagagg actagaagcc cacagatcta agcatcagta aactttaaaa 480
aagacttgct ttttcttgcc aggaatgtta tttgtttgct gcaggttaca gttgaagctt 540
ggagcttttc aaagcgtcgc ttt 563
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<210> 1224

<211> 516

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233828

<400> 1224

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taggggccaa ccgggaagga gcagggtagg agatgggacc agtatctgtc atccacttga 180
gcctggaaac cctggatagg ggctgggttg ctgccagtgt ggtctcctgc aggtagttga 240
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ttgaatcttc cttcacagcg aactgggtgct ccaagcgcag cagcagcatc ttgggacccc 360
agcgagccag ggtgagcaga tgcacctgcg gaggtagctc ccggcgaagt gcggagaact 420
gcatttttgg tgctgctgag tgatagggac tgctaccccc gtgggcccagc accacctgag 480
gggccaggac ttctgctcc gccagcagtc ggtgtc 516
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<210> 1225

<211> 561

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233835

<400> 1225

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agcttattca aggtcaccgc gctggctgaa gaccgaggat agagctgagg aagaatgctt 180
acttagtatg cttggggccc tgggttctag cttcagcatt gccaaggaaa agaaacaaaa 240
gaattggcat ggagatgggc gtctggggag ccctgaagct ctcaccagga cctttcaccc 300
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ccaccttctc tggcaaatca ggaaaaactc acctcacggg agctggagtt gatcttctta 420
gaacaagaga attactgaga tgaaagccct tccccgtacg tgtgctggca gggtatcagc 480
gtgtaatgtc attcgtgtgc caagcacatc tttgccagca tagaacatgg ttttcccggt 540
cgggctacac tcatagcgtg t 561
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<210> 1226

<211> 553

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233836

<400> 1226

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gggcgggtct ctcttatatc tactgtgctg tatatgctag ggtagccggt ctgcaagatt 180
ctggacaatt ctctgcctg gtttcctgtc tcccccgaga atgctggggt tagagatgtg 240
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tttccccag agtcattcta ctggctcctg ataggtgttt taaaagatt actttgtaga 360
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aaagagaaat gcggaatttg ggagaaagga aaaccccggt aggcggtctc aggagctgct 480
aatggctcct cctggaatct cacagggtcc tcaattcctt aactctacct ggaatcatca 540
gtttattacc taa 553
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<210> 1227

<211> 376
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI233902

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gcttttctgt ggggttctggg gatctgaatt caggggtgtga agcctatttg gctagtctct 180
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gcaattatag tctacttcat ttctcctttt cttttattca gtatctaggt actcagaagt 300
acaataagat gtaggtctaa tgggaacaat gcatgcagct catgttggag tggcagtttc 360
cattcagaga gctcaa 376

<210> 1228
<211> 434
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI233925

<400> 1228
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aacacacagt ccaagtctgc tcaactatggg tgaaaagctc tatgggtcag tttgtaggtt 180
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gccctgggga gagcagtcct cagtgggatg tcatcataag gcagcttggc ttctccttgg 360
ttacctgcac ttaggtgtct tgcagggact ttttgtgaaa gctgggtcca atggggaggg 420
atcctcctgg tgcc 434

<210> 1229
<211> 516
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI234038

<400> 1229
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tgtgtctgtt tttaatctgg aacattctct atgaaacagc caattgttta cagcacacac 180
ttgacatttg actccagcac cagtggaccc gaagctgtca gctctggggc tataggctcg 240
acacaggaga acgctcttca ggccactgag gcttctagct caggctcctag catcctagcc 300
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aagcatggga cagaacttat gcatgatggg gcacagggca gacctttcct gacgtccacc 420
tggcaggcct ggctaaccag gaggcccag cctcaacctt tccaggggccc tacctagctg 480
ccaagcagct gggaagagga aggaaggaga aaggag 516

<210> 1230
<211> 319
<212> DNA
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI234079

<400> 1230

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aaaagcttct ataagcagag tatcgtttcc tgccccctcc ccaaaaaaaa tcagcttcag 180
gcatacattt gtgtttatgt ctattccttg agaatgttac gttagcagtg cataaagttt 240
attccataaa aagagctaca agagaattcg attttcaaga gactcgatgc attgtgcttt 300
cagataaaaa tcccaagag                                     319
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<210> 1231

<211> 530

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI234090

<400> 1231

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<210> 1232

<211> 564

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI234105

<220>

<221> misc_feature

<222> (1) .. (564)

<223> n = a or c or g or t

<400> 1232

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atgaagtga tggcgaagga cgagttagat aaagggtgctg tagagatcac agagccaggg 180
gcatcactga ctggcagttc cctccagagc ccttggaggg tagccaatct cagcagcatt 240
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cctcagttcc gtttctctct tgtgtccttt gaccagatt ttggtcttac tgaggcccag 360
tgttccaaca atagaaggag gtaggggcaa aggactggag gtctagagcg tgggtatctt 420
cccaagattc agtctctctg gccacgggag acctttccag agaggtgaga taccagatgt 480
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tacgggcacg gnacccatgc gggt                                     564
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<210> 1233

<211> 610
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI234107

<400> 1233
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 aaaattttaag ttttaaataca tgttccataa aaattctaata agtggtataa aaatattaat 180
 ttataactaac ttacctagaa aagtgttaga aaaagaatct catattcaaa ccaatcatct 240
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 aagggagaaa agtggacaaa agctactgaa tttacactca ctgtcctatg gggaagttgc 360
 agacaaacca gatgtacact aggcattttt taatgtatat tttaaaggaa taggaaagct 420
 gtttatagta tttttactgt ctagtcaaac ctactatgtg gtgaactgat cattcactac 480
 aaccttgagt tgatccaacc tacctttctc atttatagaa aactacaaaa gcttctttaa 540
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 caaaggaggt 610

<210> 1234
 <211> 517
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI234133

<400> 1234
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 agattctctt cctgctgccc ctgctggtgt tggctatcta gctaaacaga tcaagccagt 180
 agttgttaac caaactcccc ctaatttgcc acgactgttc tctgaacaag tatcattgct 240
 gatgaagact agatgagatg ctaggctgag tactctgagc ttcaaagggt catttagccc 300
 aggggtgactc tgttgtagt aagaggtccc caagcagaga ggacagttag ggggggtgca 360
 caagcagact gtcctgtagt aggccatggc agccatcaaa gtgaagaagc aggagggcgg 420
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 ggggggtggtg caaggtcccc ctctggagtc ttagtgg 517

<210> 1235
 <211> 507
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI234152

<400> 1235
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 cccaaattgt gaattcatgga acttttactt agtgcacaca caatctactg caaactgaaa 180
 tactaatcta taacatctag ctgaattatt ggatccattt caggattgtg cttattatct 240
 cagaagatag gaactagcaa aaatacacat tccttttgca tattcccacc cctgtattac 300
 gctgtaaaag aaatattgtt cagtgcaccc cctaagaaat aaacttcctt ataggatttc 360
 tctctttctc tctctatata tatctatctc caaacagagg aagagcacia tgcaactttt 420
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 ggaagggttcg gtttttgatc atcactg 507

<210> 1236
 <211> 357
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI234223

<400> 1236
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 cactttttaga tacacattttt gggttttttat tgctgattac agactatgaa atgtgcattg 180
 caagtcaaca agagattctt ttcataatttc caataaaagc ttgaagaaac agacaacaaa 240
 cacaatgaca agagaaattc ctgcttcaaa acaaaacatc agaaataagt ctccacagtc 300
 acggtctgac aaaaatttga aataacccaa accgtgcaaa agctccacag agaccat 357

<210> 1237
 <211> 448
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI234361

<400> 1237
 aaaatcattt aatatgcaaa gggaaaaact agaataataaa agcattttcac atttttttaa 60
 aacaaaataa caccttttaa attattttaac ataaggcaga gatccacaat cttttatctg 120
 aaaccctaag tctagatggt tcagaatgag aaatttttcag attttagaaa ggtaattcag 180
 tgcatacacc atactatatac aaccctcaaa agagttttgtg gcagcacacc ccaataatca 240
 tacacattaa tattttatgca acaaaataaa tgaatattca cactaatggg ataagcagat 300
 tcagtgtcag attagaatac atccagaggc aaatgacttt tgttatcaag cttatgaaaa 360
 cttgtttatc agaacttctt ggatttttgag actataatta cagataaagg aatgcagacc 420
 tttgaaactt gtttgataag acataaaa 448

<210> 1238
 <211> 501
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI234496

<400> 1238
 gaaggaagt atcagacttt ggtttattgt aaaacttagc aaagtgtttc atataatccc 60
 tgaccctca ctctgaaaac aaaagcagaa acaattattg cttattttcc ccctctactt 120
 tgtctgtgct actgtaagag aaggagagaa gattattaca ataaataaaa atagagatgt 180
 aacagagaaa aataaatcag tctagatgag aagtattagg agcaacagaa atttcattaa 240
 gcagttttaa aataagcttc tttaaaaagg ttgccttatt aaaataaatc acacaaaaaa 300
 tatagcagca gagaagaagg atacatacaa gttaattgca catcagtccc atgcaaaaaa 360
 gtggatcatt agccaaagca gtagtactca gaatccagct tgggatgctt gtgcagagct 420
 tgagagtcct ctatgataga gctgtcactg aactgatcca agtctgaagg ggtctgatgg 480
 cctggtacat catctgcaa a 501

<210> 1239
 <211> 499
 <212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI234810

<400> 1239

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gaaggcttca tgaataatth attccatttg aagttttggt ttttgttttt ttttttttaa 60
aagtataaac ttttttcattt cctcaatcac aatttgtaca actcagtgtt atggcattcg 120
gcagcaatag tgtttggtcc ttattctttt tttaaaattt gtcataattaa aaagaaaagc 180
aattggacca tgttaaatgt cactgctaaa caacaactta aaaacgcccc ttcataaagt 240
gaccaagcta ttctgagagg gttgatgctg acatgtccag taatgatgtt acaatttgta 300
gttttaaat cagtaacttt aaggtccaca aatccagttt actttaaaaa cttaaagctat 360
tttaaaactt aaaagaatat ctcaacctga ggagtatttt aggtcccaaa tccagttttt 420
taattttatac tccacaaaag agagagagag agagagagag agagatgggt tgcaaccctt 480
ggcctatggg ttcccaggc 499
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<210> 1240

<211> 681

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI234830

<400> 1240

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tcacagcact tgggaggctg gggccagcct gggctacagt gtgaaatttt gtcacaccct 180
caccctatcc aaataagcca caaagtctta tcagaaaacc aaacagcctc aagcagaaaa 240
attctcttta gtaaagcaca caagaagggt atgctgtctg tcagtcaggt tcactaactt 300
ttcttaattc tctttgattt cttcccttgg tcttctactc cattctctgc aggcgccttc 360
ttcaaccctt tcaacttctt cgtctgtagt ttgcttaggt cttgcttctg catatgaatc 420
cttccaaacg ttgtaccaa agtatcctga gagatattct tctcttctt cggcttgaga 480
gctttgggca ctttcatgga cagtttataa aggtcgtctg atgctaagtg tgcctctctc 540
acaaccagat ccaacgacgg ccccatctct tctagctcga ttctcggtgt tctgcacca 600
gatttcttca gcagcagctt atagcttcca aagtaaacct tcccattcag tgccgtgaag 660
tgcagaacat actctaattc a 681
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<210> 1241

<211> 575

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI234843

<400> 1241

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ggcaggctgt ctcagagcct ggtctcctca gtggacaagc tggatggtga agaagcctct 120
gaaaagccca ctgtccctcc atgctcagac aggccactt tcacacacta gcctaactcc 180
taccttcttc atgcagcacc atcaccacta ccaacctcac agaattaaca tgcagagacg 240
tgtctgagga tggactagtc ctgaccaggg ccatgaggct ctagccatgc accctggacc 300
gtgatgcgca ggacagatga actggctggc acaagctagc ccagaatctt tggccagggtg 360
gaatgattca catactgcct tcacgggtgtg gccctgttg gtatctcttg ccacatcttc 420
atagacactc tgcactccaa tctccagcct tgtgcagccg taagtcaaca tgtcacttag 480
gtgccgcttc atgcagtaat caggtctggt ctcaatggta atccctatgc actttgtgag 540
gcttctctcg gaataactga ttgcctcctc gtgcc 575
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<210> 1242
<211> 477
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI234927

<400> 1242
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tgaatcccca gcccgctcta atagtttttc ttaaaaattt gataactccc tgtgtcacat 120
ctgcactcag ttttgaactt tcggcagttt cccatagcct cctccattca ttaatttaga 180
taactttaat aaaatatcaa tttggagata attttaagga cataatgaaa gccgaatttc 240
taatacagtt cttacctaatt ttcctatgcc ctttatgccc ctttgccctt aggagagctg 300
accccagacc tgtgagaatg ggggagctgg ccctgcacct cacctgagta gcacagtaga 360
gctgacattg gctgcagggg cagagtaagc caggcctgag tttgtgagca tgggagagct 420
ggccccaac ttgtcttct gctctgtggt ggtgtgggtg agatccctc cccaccc 477

<210> 1243
<211> 484
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI235046

<220>
<221> misc_feature
<222> (1)..(484)
<223> n = a or c or g or t

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cacgaggtct tggttggttc cacaggggac agcagggcct tggagccaat gtgtggngnn 180
gnggngagaa gtgggngngn nggttccttc ccggaagtct ctttccttgg cagtctgact 240
ccggggggcc aagtcaagtg gcgctgtagc agacaggcca aggaaaggga aaattggctt 300
tctgtttaat tggcaaagt tccagtggga gggctctgtt ttgttgggat gtgttacagt 360
atatgtacat gtctatggac ctgagtcctt aaggaattta tacatgggtc agaaaagatg 420
gttggtaaaa tcttgattat ttctttttgt taatttatct caataaaagc cactggaac 480
tcca 484

<210> 1244
<211> 486
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI235224

<400> 1244
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ccaggggaag gcttcgggtc atcgagaccc caaggtattg ccaggtgcac aaatctggat 120
tccgtggcag gcaggcaaag tgatcgctct ggtagccctt ctgagagccc atgaggatct 180
gatctgtcca cagaggctct ccatggctgg ggtgtaggcg aaccggaaac ctgtggcatt 240
tcccacagcg tcgaatcctt tgagcatctt agtcatcttg atctcataac gctggtataa 300

ggtggtctcg atgatttctg gggaacccat gaatttagcc cttataacca ggtccgagtt 360
 gcagaaagct gtctgtgggt ggggtggggc acagctacag gctttactgg aagctatcaa 420
 tgatagcaac aagaggatgc cagaggccag agatgcaaag ggcgccatcg tggatatctct 480
 agcgtg 486

<210> 1245
 <211> 623
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI235234

<400> 1245
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 acaattttta atgctttact ttttcaataa agcagagtat aatagaaaag aaaaacaaat 120
 cagtttccag taatatctat tactctattc agaattaagt cttccacaga caggttacct 180
 ggaaataaaa gcctgttaca ataagcaaag ctttaaccag aatggctact tgtcgtgcc 240
 gaaaaaagct cattcctata ggaggaatga tgtgctgtgt aaatggccac agatctcagc 300
 cttagcggca ctggaagtct attatccaat cccgcattga gtagttcagt gaattttgaa 360
 aatcagttta cctgtaacca tgctggcaat ctttaactga tattttattca gttaaaaaat 420
 aaattaagaa atctcttaac tgatgttcct tgattttacat tactaaagggt acacagttca 480
 tcacaatgca attctgctat cagaattaca tgagactctt tgcttagggt ttaattagca 540
 gtaaggatca caaattcaag ttcttaatta tcaataattt gtcagctaag gtacattcag 600
 gcaagagctg caactacaga ata 623

<210> 1246
 <211> 442
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI235277

<400> 1246
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 gcaccacact gtgtcagtcg gttccacac tgctgctaac acagctgggt tgcttaggga 120
 gtgccaact tagccagatc aagggaaacc caagagagca ggggcaaact ctgcctctgg 180
 tgccaagcct cagggcaggc aatcctggag aacactgcc gccttgggaa gcttgggaga 240
 cctctaggct gttttccctt cttttcaaat cccacaattt cctgacgggg agaagctgta 300
 attagccag accaggcaac agatctcagc tagaggtaca gctgcaggga aaaccccatg 360
 gaatcttggg aaccagtgtt tttccaatta caaggaccga ggaataaaact ttttctgtgg 420
 gttctattga aaccctcgtg cc 442

<210> 1247
 <211> 619
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. AI235282

<400> 1247
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 ggaattcagc aaaaattatt aaaacgttca cgtcccaaaa atggggctgc ccacttgccc 180
 ttccttggtg tgcccaatt cttcctggcc ctcaggggag gggagactgg gggacagtta 240

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ccaaagaatg tgttcagccc taggagccac agaggggggca ctggagaggc aaagacctgt 300
ctggaaggga tactgagcat ggccatccca gacgtgcccc taaaagtggg agctggggct 360
tggggtgact tccctcaact aaaaaatact cctacctcag ctgagagccag atattccaga 420
caggttcaga gagaactcca cctccccaga actaacccca ggaaaggaaa gctgggacac 480
tgagaccctg ttgagtgtct tgtacagget agaggetgtg ccgccagatt cccggggtaa 540
gggaacgtat gtggactcct tcataccttt gagccacaga gccctccctg cccctcaag 600
gcagcatggg gggagggga
619

```

<210> 1248

<211> 479

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235348

<400> 1248

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gacaattttc atcctttttac tgaggaaaaa tacttaatat ttgtatgagg aacagtgcct 60
aaggcagggtg cttacagtcc tggcctcagc cccacacact cctgttttgt aaagctatag 120
ggcagagcag agttggaatg gaaaagacag ggctggagat gagaacagtg gggagcgggg 180
atgcagaatg acaacagcca cacacgtgcc agtcaaacac tatgtccctg cagcaaatca 240
gataccaaca agtgtctgca gtggctgggtg accctgccgt ggatgcagag gaaataactca 300
gtattaacag aaaactgagc tgcagccact atgagactcc aggagagcac caggtttgc 360
gttccttgta agccaggaaa gctggcctct cccaggggga agcagactga cactcaccca 420
tttccttgcc ttcccatata agacgttctt ctttggagaa atgagaccct ggctagtca 479

```

<210> 1249

<211> 571

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235349

<400> 1249

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acaaagtcaa tagcttttat taacatgata taaaaaatta gtgtgatcta cagaattccc 60
agagagtaat cttaaaacat tttaatatga ttcttaaaat cttacagat atgttctcac 120
cgccactgaa ttttcaatac aaaaagttaa caggcgccgt ctgctataaa actacagcgt 180
tgagatgggtg gctaggtagt tcggggccct tctcggccgt ccaccgcgca ccctgtgggtg 240
ggctctgctgc tagactcatg tggattctgt acatggttat aacaggatta ttacagctcc 300
agcatgtttt aacatactac accacagttc gataccatga gcaacagggc tacaccacgt 360
agtgttccc gatgtgagat aggagggtag aaccagttag ctggactcac cgaagcacia 420
gtccaggaca actctagaaa gatctagctg tctctatacg attcttaaac atctccatcc 480
ttccaaaccc ctaaacccca acaaccgat aacattaatc tttcattagt tatataaaaa 540
taatcttaga ttcattgctg acatcaaact c
571

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<210> 1250

<211> 430

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235360

<400> 1250

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aagggtaaaa taaaagcatg ctattcaatc gatgaaggaa aacatcatte gctgagggt 60
cttgcccctc agagcccata atcacaggcc tcggggctgt cctgtaggta gagacttaag 120

```

```

taatcacggt aggtcttggc atcaatgaag tgggatgatg ccacaggggc ttcctgcatg 180
gttgccatcc agagcttgag ttttgggggtg tgggtctatac actcattgag ctccagtgtc 240
tccagtgcgt gaaaccacgg ccaaataaga taatcgatca ttgagagcga attcccaccg 300
aagaaggctg tcctcttatt agccatagcc tcttctagct tgctgaactc tttcttcagt 360
tcttcttcta tgcccggatg gtcttccttt ctcttcgccc taataaaaact cgtaaccaga 420
gcctcgtgcc                                     430

```

<210> 1251

<211> 362

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235460

<400> 1251

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atagtaaaag taaaatttgg aataatgaaa aggctgacac agtagcacia catgggtttg 60
gtttaacagc agcttaaaaa tgaacaaaaa ggaaacctct catgcagaca cgtcaggcgg 120
catagaacaa taggcaattt catccggagc gtcattagcc attcattctc tctttctgca 180
caggaatggc tgccctgcag gggcagcaac tgctttcagt caagtctcca agctcaagct 240
cccagccaaa gcccttcttc ttgcgctgta ggttggcccc acctggagca aaccttagct 300
ctgaagagaa tgagctatca atctgtcaat cctgtccgtg tccgggccgg gtgcctcgtg 360
cc                                     362

```

<210> 1252

<211> 499

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235584

<400> 1252

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caaacacaag gcctttattc acattgctca cacattccca cagtagccgg agtctctgga 60
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acggaacggg ttaaacccca ggtagtactc cttgcacatg acctggtttt ccatgtgggt 180
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ccagatggaa ccaaacagtc cagacatggg agacagactt cgggtgcttg tgaggttagga 300
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attggtgtaa ttcattgttt cttctggaaa ggcattgtaa ccgttcagtt tcagagggca 480
gtacacgctg gaaaactgg                                     499

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<210> 1253

<211> 494

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235675

<400> 1253

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cagaactgaa tttgttattc atacatttgc aatgatttaa atacaatata tacaatttct 60
acagtgcatt agaagaacag ggcagcagcg ctcaccaacc agcttctgtt cctagacata 120
ggggacaggc cttaggctgg cagagggacg gctgttctga agtacctggc actctgggct 180
cctggcactc ccaagtccac attcaaggca acttgagtac aggcttcaag ggaggggaagc 240
agggaaggcc gcctgtaccc ttgccaccg ggcctggcac tggctccctc ttccattgga 300

```

```

cccaatttcc tcctgatggc agacctgac tggagcagga caggacacaa gagtctcgtg 360
cagcactaag ttctctccag cactccagcc aacaggctga tgtgaagata actgtgagga 420
ccctggaccc ctggaccctt gctggctcct gtgaggagga ggcagggatt ctctcaaacg 480
tgggtctgag gccca                                         494

```

```

<210> 1254
<211> 571
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI235689

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<400> 1254
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tgtcagatgg attcctgggt taagactggg tcgggcacag tcccccttgg ccagacaatg 180
gcatgaacca cacaggagct tctgccaagt ccaaatttca gtgagggacg actagagctc 240
acacaggtct tgtcctcttg gcctttttct cagacctcac agcgtcgtca tgggctttcc 300
tcttctctgc aagcttggtg gcctctcgga ttttgccgag cttgccaaac atgatctttt 360
gataaaggta cttctctcgc ttcttcatca tcatgatggc caggcgcttg gcctcacttt 420
cttctctctg ggccaaccgc tgctgtctct ccagcttcac agtgccggcc ataacctggg 480
gcttcttccc tcccataggc tttgcccagc ttccggacaa acaccttgta ctctcggaac 540
ttgttgacga tgggttcatg gaggaggaat t                                         571

```

```

<210> 1255
<211> 471
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI235842

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<400> 1255
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aagatgggtga gacgaaatgt gaaaaggcaa attcacaagg gcatttcaac agtgcacagc 180
tctacaccca aatgctgcac aggaatacaa tcaaaaacac tgtgtgccct ctcaaggaaa 240
gggggtgtcct tctattgatt aacaatacaa aggcctctt gtgagtataa gttcttgaga 300
ctgcagaaaa aatgaaaata catgtctctg aaaactgatg ttctcaagac accctactga 360
cctcactcag aaaccggtt gcctctactg aaaaagggtg cacctcacc agggtccagt 420
tctcctgaga tacacaatta atggtgctga atggcttccc tgaatgcctt g                                         471

```

```

<210> 1256
<211> 516
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI235895

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<400> 1256
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attatacgct aacattagag taagcactgt cttcagagaa catgatttgt ctcatgggtg 120
agtggctgta gaaggcaagg ctagaccttc aaatcaaagt agaatacatg atctttacat 180
taaggagaaa gcattataaa agtacaatct gttaaagtct agaagacgta ttgaatttgc 240
tgaagaataa gctctttatt tacctcttca aagaaccaat tattttcttc acttccttgc 300

```



```

gtgcatcctt gtcctctttg gtgacgatag gcaataacaa tgccaagtta cagaatttcc 360
aagcctcccc agattcccca agatcaacat aacacttggc cacatacata tagttggaca 420
cagaataccc aggttgcaat tcttcagtct taaggaagtt atgcaaagct tcatgaactg 480
ttgaagatgg tatttcccca aatagagtag cagcca 516

```

```

<210> 1257
<211> 670
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI235948

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<400> 1257
aacagttttt ttattatttt ctgcacattt gtacagctgt aaactcaagg aatcatccaa 60
tagttgtata catctggaga accattaata agcaccttca gtggtttcca cagcttaaga 120
tttaccatgt aaaacatttt agaagggatc tagtaaaatg aataaaagtt ataaaagttg 180
tatatcatga ggaacgtgac aaaaaaagca aaaaaaaaaa acccaaaaaa caaaaattcg 240
aggctacttt atgaggttgc atgaaagagt cacatgttcc ctaaatcttg tgatttaaatt 300
tccaattatg taagtaaaga ctcccttcca atttagggtc ccagtccaat gtaagcaggg 360
tgaggtggag gtaggagata gggttggagg gctgactatt ggcaaatatg ttataggctc 420
cattgctctt ccatagaaat ctttctagac ctttctgtaa gccaaaccag gcaggtactt 480
ggttttcatc cttcttcgag aatggtttaa agaactgtag accatcatca ggataaagga 540
aaatagcata ggagctggaa tttgaggagg ccagaacagc ctggaacgtg tttctcttgc 600
cttctcctcaac aaggctccca ctgggccttc cttagggagc catggattcc caagtgacaa 660
ccaccacact 670

```

```

<210> 1258
<211> 673
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI235950

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<400> 1258
cactgtcacc atttattaaa gttttataaa aactcaggcc acatgggaga aaaaagggtac 60
atcccacaat atgaacaaca ctgtctagtg acttctcccc cttgctctgt ggcactatgg 120
taaagcagct cctcacttcc tacctgtcag acagcatgga catgttccta aactggggca 180
ggttgccctt tctcctgaga aatcttagca gggtaaaagt tacttgccag ccagtctctc 240
tgtgtgagaa agttccttct aaatttcatc aactgagtag taaggtttct tgaccaggcc 300
cagagacagc tacagccctg ctttttatct ggtgtgcaac ggccatgggc atgtgaggct 360
ttcagaatgt gcttgaccct ttcctatgta tccatctcac ttcatactct ctatctttcc 420
tgtgtccaga cagcatgcag cccagtttag gaagacttgg gtgggaagag gggtttagagg 480
caaggaaaca atccttgtct caagtctggt gcacttcatg gaacatgagc tcacggggga 540
tggctgttct tgggccaac ttggttgctg cccggcgctc aaaggcagca acgttctgct 600
ttacaacctc atcaaaaaac atggtcgcca gcttggagtg gagcagaaaa cgaaattcaa 660
aggaaatcga gaa 673

```

```

<210> 1259
<211> 506
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI236021

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<220>
 <221> misc_feature
 <222> (1)..(506)
 <223> n = a or c or g or t

<400> 1259
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 ggagaaagca ctttctagaa gctacactag caagaagatt ccatcaagca tttacacagt 120
 aaatttccaa taattttaca aagattcttg atcttcactt gaactggaca taaggaagga 180
 caggcccctc aggttgctgt ttctctgctt gtagaaggaa acaaaagaaa cctgtggggc 240
 ggggaggaga gaaagaactg gtgactctca tgtctacttc aggacatgtg aagaggccgg 300
 tgtggagctg cacacctggt aaagtccagc acttgggagt ggggtcaaga gggtcacaag 360
 tttcagctta gcctcggtta catagccagg ctgaacgata actgtcagat gactttccct 420
 atgatttaga gcatgctacc acctttaaga taatgagaat ctcanaagct gtagtattgg 480
 aatacctttg aagacctcag acagct 506

<210> 1260
 <211> 482
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI236027

<400> 1260
 gaaaggagac acaggaagtt ctttattgta cattggagaa atagccctgt gtgctgggtc 60
 aaggtgcagc atacagaata aagaattaag aaaagaagga actgggactg ggggtggggc 120
 ctcttgaggt ccaaagttgc aaacaaataa aaaaaaaaag taaaagattc ctcacgcaag 180
 aggcattttt ttttttgcaa ataccatgca aaacaggcag ctggcgagag ccttaagaga 240
 acccctataa ataacagaaa agacactcca agcgttccag tacgaagact cagagcacag 300
 gggagaaaag gaaacaaaaa tgccttttgg cgtttcaaga tatttggcac tctcgtgatt 360
 acattgttgt tgttgtttgt tacagtccat taaagagaat aaagtgcac gatattgaag 420
 aaagaggggt tcgcacaaca gacccccaag gggagggttag aaaaagctcg agcatgtttt 480
 gg 482

<210> 1261
 <211> 484
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI236036

<400> 1261
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 tttggtatca aaagcttcaa actgccagat ttagtgaaaa cttttgttaa gtatccagat 120
 gttgggacca caaagacctg ctcttgggcc aggtcactgg actcctgagg ttcacctgag 180
 gttccaatgg agcacaagga aaggatgggt ggctgggaag agctccatct aatccacgtt 240
 gccacacacc agcctttata tcgctttctg ctcttggtta ggagtagctt ccaaaggaaa 300
 atgggatctg tgtgggtcat aggaaggtcc tctgtctcag tccatgatac tactagaaac 360
 gctggcagga gcaggaacag aataagtcag gacaaactga aagggttttag aggaacctgg 420
 cagtatactg ggatttaact ggatgccaa gaggcgaggc ttgaagttct gccttcttca 480
 tctt 484

<210> 1262
 <211> 454
 <212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236066

<400> 1262

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accagttaat caaacatgat taattttaat gtaattacta aagaaagata taccatttta 60
ttatgacact ctagccatac atttttgaaa atatgcttac gaaacagtaa atgtaagata 120
atgattcagt tagtaacact ttcacgagtc attaggactg atattgctct gccataaatg 180
aattgaataa ccacttcaaa tacaatcagg attaatttga tagatttcct ttgtgtctgt 240
gtgtgggtgg gtatataaga cacatacaat gaatgaccaa atactacttt aaggtttcag 300
tagagaaatg aattcgatgt ctgtaagtta atcaaatgtc tcttactttg tgacatgttg 360
gagagactga gtcactagct tgtcactggt taggtgcaca gcttcaccaa aaagagcttg 420
gatacgatgg tggcatccta gtgacagggtg aacg 454
```

<210> 1263

<211> 687

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236084

<400> 1263

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attagcatca gaagagactt ggacgggggtg cgtgctcaaa tgccatctag gatgggttta 60
agaacagggg ggtgggggtaa cttgtgctac tccctaggag ggtgggggtc ttagtgcttc 120
tcggtttcct gagggtcctc acatctccta ggatggcaca ttacagctcg tagcttcctc 180
ctctctcttc ttcttcctct ggaaaccggc agctacaagc atcttcctct tgagcagttc 240
taaccgcctt cttaaatggt tgcttgaata tgtgggggaa cttcttcctg agccatttg 300
gcacagagaa ccagagaatg atgaagatca ggaacaggag cagcgcta at gtcagcgcca 360
ggaacaaggt aagaacctgc aaggggcgct ctctctgattc tctctctgga gtagtcacag 420
cactaggagt ggtactggga gagaggctga ccacaggggg tccacagacc acgtctttct 480
ccttggtccc attcttaagc acagaccttc cgtctagaga gcagttcgtc cagggtcggc 540
agacgccggc gccgtcctgg tcattaaacg ttccaagcc acagttttta caacctgct 600
ccgttagttc ctggccgggc ctgcagtcct tctcacacct ggtacacttt ggccccaagc 660
agtggaatcc cttcacgcac ttacact 687
```

<210> 1264

<211> 292

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236089

<400> 1264

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caagattatg tttatttggg ggtagcagt ggttaaaata gagcaagagg gaggtctttt 60
ttgtatggat aagaggactg tgttcctgtg gcctggacgc tgaccgcagc gatggaatta 120
gatctcttga gcatttcttc caaggacaga cttgggtagt aagccaggta gaaggcaagc 180
gctccacaaa aactgtcacc agcaccctgt gtgtccacag ccttgactgc ttctgtggga 240
atgtgctttg gaacagggtt tgctgtgac agtgtcactg ctgcggggcca tt 292
```

<210> 1265

<211> 548

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236106

<400> 1265

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tttgaacaa ccacactctg ctttattggg tgttcctggg tcatataaca cagacttctt 60
aaggaataat aaacacgaga cttgtatctt accataatta tcttgccatt aagacagtgg 120
ttacaaaata taaaacaaaa atttgaaaaa gaaaaaagaa agaagtacct ttctggctac 180
acacatgata agcttttagc ctgaaagggt ccccttctgt ggtcacaatc acaggttcaa 240
gggttaaaac catctagcag taaattctac aatgatgtag agcatcaagt cactgcagtc 300
actcagttct gagacgtgt tgccttaggt tagcatttac acatgacatt catttcacag 360
acacagaaag caaaccaaca ggtaaacatg cttacacgga ctgcggaaat cttccgggtt 420
aaaactgttg tgtttgtctt gtttcttttt ttttaagaaa atgctcgaaa acaaccaaga 480
ggcccgcggc cccgtacaag aaacatcggg agtgaatact gaagagctgc aagtttctcc 540
ctcgtgcc                                         548
```

<210> 1266

<211> 612

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236146

<400> 1266

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atttaaata gttttattta agaatttcca agagtgacaa ctcttataaa aagcatccaa 60
gcacaggaca cagaactgca gcaaacagca ttcttatgaa tagctaacag acatgagaac 120
ttccaccctt ctttgagaca cctgagctca ctgggtgaact ctgcttccaa gttctcctgc 180
aaagcacacc acaagctcag tccatgttcg cagcccatca gcttcagttc acgttcccac 240
acttccagat cagtaacaga ggagaacaca caccatacag cattcacagc agttgacaga 300
ggggagggaa gtacaagtat ttcacttaac acattcagct actgtgggtt tcctaagaac 360
aaaactcaaa gtcttccaac agacgtggat gtcctctgat gcagaaacac tcgtacgtta 420
gttatctgct atcattgctc tctgcacact ctgcgaccaa agccacagga ttgagggaca 480
catctctcca agttaaaaa tatccatttt ccaccaccaa gtctttgcac gcgtctcttc 540
cttttctcgc tcatactagc ctttcatgcc tcggcaccac catcaatccc acacaagggt 600
tcaaaagttc aa                                         612
```

<210> 1267

<211> 503

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236227

<400> 1267

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gcaaatgcct ttatttggac tactatgttg ctaccagatt acatcacttt tcagagttag 60
agtaacataa tgatcttgaa aactatagca aatagcttga cagagcaaga ggacatcaag 120
tccgacatac tttctcattt ttgtgaccac atctccttgt tacagggtgt aaacttaaac 180
atctattgta cacttttagc ttctttgctt atcaaattcc catctaaatt ctgagcccac 240
tctcccctca aagtgtcata ttcaacagca ttgtagacca aaaagagttt tgtgataaag 300
atttccaaac aaagaagtat gtatcagact gacttattga agacaaaata tttcattcca 360
tttgagcctg ggtatgaggg ggaaatgcaa ccttcgggtc cactttcttc cacctataat 420
ttatgccttt ggatgtttta cttacatgaa gacccctttt aaaaaagtag caaatcagca 480
gacgtgttgg atgtaataca aat                                         503
```

<210> 1268

<211> 398

<212> DNA
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236294

<400> 1268

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gggggggaggc agtcctttaa tgggggtgggg cacaagatag cagaacttcc atccaagagc 60
cacaggaact gaagccagcg tgacgcggca ggcttttcgg taacaatagt tgagatggca 120
caggtgaagg gttgggcaaa caattcagct ctggtgagct ctgccacgcc ccactgacag 180
catctggtac agactaactc aggcgtggaa aacgagccaa agtccagagg caggagccca 240
caaggggaac ctgaagaagg gaggacagct catcctgac ctcgatcgaa gttttagggg 300
gcacaaaaac ttcctggatt cctgagaaca cagtagcttc caactaacac ctggtcagca 360
accgtctgcc tgaagacttc caccttgagc ctcgtgcc 398
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<210> 1269

<211> 529

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236301

<400> 1269

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caacacttta tatcagaaaa aaagatcagt tttccaacaa taattccact gaatgagtgc 60
acagcatttg catgaactac ctcagggcaa tatcagtaca aaacagttca aatttgtaaa 120
aaggctcatt caaaaggaaa cctcctgatt acttcagggt gagtgccaac accactggga 180
accgaggaca taaggcagga acatggctac cacatgggtg gggaatgggc tgctgatgga 240
atccgaaggg ttgtgaaagt caatcacgtg gatgtcgaa accagcacag ctgagccagg 300
aatgctccct cttcctttct ctccatagcc caggtgagga gggaccacaa tccttcgcct 360
ctctccaatg cagacacca gtaagccttc atccatccca ggaatcacat agccctgccc 420
aatgtacgtg tcaaaggtgt ggttccgtga atagctggag tcaaagaggg tgccatccag 480
aagcgtgccca ttgtaatgat acctaaggaa atccccactc tgacttttc 529
```

<210> 1270

<211> 499

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236302

<400> 1270

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ggggcagaag caaagttctg gtttattgtc cctgtcccag tgacagatgt ggatttgcag 60
gtgttggaac tctctttatt gacaccaact cacagcttcc tactataaaa ctccaataatg 120
ttcaggaagc agcagcttca tgtcctttga tgaggacaaa gccatgattt gtgtgggtgg 180
ctaagtctgg gaaaggaacc ggcagacaga tggctttcct cgggtaacac gctactttaa 240
ctcccccggt aggtggtgta ggaccatggg ctacagcagca gaggtacgtg gaacttctgg 300
gtctcctttg taatagtga aacaacctct acatattgggt aaaagctctc ttgacccgcg 360
tctttccagt agcgtctcgt gtcgaaggac agcttatagg tgcttggtt catctggctt 420
tgtgtcagga gcccaggaca gcgaccatcc aggtttgtgt agcttggtt cagctccatc 480
cactgctgac tgggggcct 499
```

<210> 1271

<211> 575

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236332

<400> 1271

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aaaaaagaat caaaacagaa actctaagta ccagtgtgta cattgtacac atttaaata 60
ctcacaagaa tgaagttttg tttttcatat ataaagatga taccaccttg ttcttcatca 120
aaagatgttc aagaattctg cctccaaacc acatacatga ctgccatttt aaacagaccg 180
aatttcaaac atgcaacaac gccactggta ataaagcttt ggaatggatg ctactctat 240
tatttcaact caaacgagat agaaagccgg cgagttggaa attttattct aaagcacaat 300
ggaggtggtc attgtctata ccggcacacc tcactcctct gctgccattt ttagcaagta 360
ttctttgtca atcttgaata gtctccatcc ctcttcaactg gacagatccg aagcacctct 420
tctttttagt aagttgatag atggttcatt ccactctgct accaagaagt gcatactgct 480
gcagcgacac ttcatagcaa cctggccttag attcttcaaa atttctgatc ctataccaaa 540
gcctcggtaa tcactcatca caaagaagtc ttcaa 575
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<210> 1272

<211> 552

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236338

<220>

<221> misc_feature

<222> (1)..(552)

<223> n = a or c or g or t

<400> 1272

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agatggcaaa gatgctggct ctccctccaa gaacagctgt ggagctgcct ggggaagattc 120
acacgtcaag aaatcgaggaa gatgcggcaa ggggtggcag ccgcctgtag tcagccagca 180
tctcttagaa cgggctgggt tgcagcccaa gtctctcaca gaggtgtagg cagtgcctgc 240
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acacaagtgg gacgttcgat cctgtagctg caccgaagtc cgtcttagag ggaatataga 360
cgtagggcaa gttctggctc tcgcacataa ctggaagatg gcagtacacc tcaatcggca 420
acgtatctcc tgccaagacc atgatccctt tctcgccctt gttgacaaat ttctgaactt 480
ccttcacccc gcgacgaatc tgcttctgct ttacggcctt cttgatgcat ttgtnaagct 540
tgcgcgctcag gc 552
```

<210> 1273

<211> 500

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236366

<400> 1273

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aaatggaaac ctccacaggg cacagaatcc atcaagatgg aaaatgggca aagcacaggc 180
accaagctgg ggctgcctcc cctgacgccc gagcagcagg aggccctcca gaaggccaag 240
aaatatgcaa tggagcagag catcaagagt gtgctggtga agcagaccat cgcccaccag 300
cagcagcagc tcaccaacct gcagatggca gctacgggca gcgggactg gctatcatgt 360
gccgggtgta tgtgggttcc atctactatg agctgggaga agacactatt cgccaggcct 420
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ttgctccctt tggccccatc aagagcattg atatgtcctg ggactccgtt accatgaagc 480
 ataagggtt tgccttcgtg 500

<210> 1274
 <211> 542
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI236461

<400> 1274
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 agctaaatcc ccaacgagat ctacggtttt aagactcctc ttgctgagct gccagtagt 120
 ggataattgt cacagctttt ccaaagaacc taatccaaac caggcatggg ccagcacacc 180
 tggtaatcct agtacgtggg aggtagactt aagaggatga gtctcggcc agcctctgtt 240
 acataacgag tttagagacca gcctgagcta tctaagacct tacctcctac aactaaaaac 300
 aaaacagaca ataatgatcc taatccaggg aactaacttg atgatttaag ggcatttttg 360
 agacatcaga aaagcaatta aagaaaaaaa aaatcacac catctggaga aacattcttc 420
 ttaatctaataa attaatgctt gcctgtaaat tagtcttaca gttgatgcta tagtgtggat 480
 ctgaactctc cccacaaagg cccaggtggt aaaaagcttg cctccttggt gaatttaggc 540
 ca 542

<210> 1275
 <211> 321
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI236473

<400> 1275
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 tatataacag aaaagagcac aataacttaa gtgttaaaca tctgtatgaa ataacttgca 120
 aagtttgaca actatgcaca catagaacat gcgggtggtt aaaaaacaga acaaacaaaa 180
 acaccaccg attctgtaga accagcatca tttcaccagc gggagagcac caagcaaggc 240
 accattggaa agacaacaca cttggaaagt ctctataaat aaagcaaag ctaatctggt 300
 cgaaaaatcg gtgtctttgg t 321

<210> 1276
 <211> 490
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI236484

<400> 1276
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 aaagttgact agaccaatgg ggctttgaga ccttaaactt taaaagcaga aacaaaccag 120
 gttccacca cagtctgtc agacacagca aacttggtgg ttctatatta aaaggctgtt 180
 aaatagggag atggcattca tctaccgcc ttgggaagta gagggcagta taaacacttc 240
 ataccccaaa ctattggcag cagtttcaat gttatcaagg taaatgtgga atggagatgt 300
 tcttaaakat ggttaggact taagtctacc aactaaaat catgattaca ttttgaaaga 360
 aaatgcacaa aaacaaaca gcaaatattg agatctttt catttgaatg taatcttaat 420
 gctattaaat acacaaatat gctatttttt attaccaat cctaattatc taaaacacac 480
 atttgcaaac 490

<210> 1277
 <211> 439
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI236566

<400> 1277
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 ccaccagggg tgtccaggct tccatccagt acttaacaca gcaggagcac atcttaaata 120
 cagcagcaag ggctagagac agaccacagt gaggagaccg caggctcctga ggggtggggc 180
 aaaggcatgt gtactatact ggcacagtcc acttgggtga aggtagaggt gggatagata 240
 ctgatttgca gataggaagg acagtgttct cttgtgcaga tggagaaaga ggaatcctgt 300
 ggacaggaag tcctttttac atatttgcaa gagcagattt cacctcaaag gtgggtgttg 360
 agggaagaag gaaagtttat tttaactgtc cacagaaata gatatgggaa agaatgttg 420
 ggtttgca aaggaaaa 439

<210> 1278
 <211> 526
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI236590

<400> 1278
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 aaaccacaaa taggagcctc tcgattgaca tcctcagaaa acctaaaata caggtagagg 120
 agacactttc ccaaggggtgc tttcaaagtc tcaacatcaa tcattgaaat gccccacgag 180
 ctctgtcaaa gaggcctcca ttctctctcc agacactgag gggagacca ttttctttat 240
 gactcaggac cctgggggtgt gtgccctgag agggaccatg acattgtctc tgtgttaaag 300
 aacttgagag gaatttgcaa accgcactgc tggggagaaa acaactgatc ctgcagctgg 360
 gttgtggggg gaagccaaac tgcttctcct tttttttttt aaatcttcag tttgctaaag 420
 gcccaaagtc tatcacatta ggggcctttc tagactttgc tttcaatgat tggagaaaag 480
 agaggagaaa ttaacaatgc catcatcttt tgtgggggtg ggggag 526

<210> 1279
 <211> 567
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI236599

<400> 1279
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 aataacagca ctaaaccagg caccttcgac cgaatcccat cctcgtccac tccctctgag 120
 ctacgctttc tcgatgacca gaaaatttca gagccccctg gaggccagaa tggttcctac 180
 ccagggtctc ccaccttgag tttctgggtg gaaagctcag gtgagaattt tagcctgaag 240
 ggaggggggc tgtggccagg cacaggactc tctaccata agacactttc tgctcaccca 300
 ctgcagggtc ccagccaagg ggactgactg ctggctttag gtttgcctcc tggagatga 360
 gcctagtcca gctcagggcg tgcgtggggg gtactcaggc agcctctgca gcctctcctt 420
 ctcagcctcg ctctcatctc gtgctatcac caatgaatgt gaatagccca tggccacctg 480
 ttcggagaag atgccatcca gagtcttcac ctctgagct gcagtagaag acttgggctt 540
 ttgggtccca tatcccaatt ccccgaa 567

<210> 1280
 <211> 625
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI236601

<400> 1280
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 atgatccaca cgtctcccgt gtcacacctc cacgggacag tgcattgtatg gtgatagtta 120
 cagccctgct tcgcatgctg ctacggttca ctagctgttg tattcttggg aataataaag 180
 caaatcactc tactggacag acttaatttg gaaagccctt atgcagatca gactcagtct 240
 catatgaaca accccggcca cacatgcgga aatgaagagc aaatgcagaa gaacacagaa 300
 aacccttgg caagaacagc tgctgcagac tgagcccagc gctgtcagtg cagttcacgt 360
 cctcagaaga caaacgacct cctcctcag catatgagca gcaatactgt acagagctca 420
 gtgggggtccc aactccacag gagcctgtca ccaaagtcac tctcatttag ggtcagagac 480
 tacagactca agctttttct tttttccctc ataatacaca aaatgtctag acagtcttta 540
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<210> 1281
 <211> 481
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI236679

<400> 1281
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 cagtaatttt tgaagacatt ttaaatecga ttggctatat cagtgtagta tcatttgtaa 180
 aattacagtt aaaaagtttg gccagtttg aaatccatct tatttctcgc ccttccacta 240
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 tctgttagaa atctagtcct ctgcagaagg aacagggatg tggtaacag catacaagga 360
 atgcacaaca agatgcaagc ccagactaga agtagcctta gttcaactac atagtatcct 420
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 a 481

<210> 1282
 <211> 519
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. AI236746

<400> 1282
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 tactaaacaa aatttcagtt gataaatgga attggatgat tgaaaatctt tatgaatttc 120
 ataatacaat atgtggctag ctgaaattgt ctatcacata gcatttaaga tataaaaggc 180
 ctcatgctag tttgttaaac gcaaaggcta ccagacaagc acagagctgg atatatccat 240
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 gctgtacaag tgacacttga ctcagagtgg attagtcttc atgcctggac tgaacccac 360
 agctcctgta atttagactt taaacaaagt aaaaagcaaa acccttttct gtatgaaaaa 420

gaataaaactc aatttttacct ttggcaaata atatcccccc aatgtatatg caactcaaag 480
aactcagagg ctctctagac aagcttctga tcaacacag 519

<210> 1283
<211> 652
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI236753

<400> 1283
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aatgtaaata cctcagtgtt tgcctctgat agtttgcaat gaccaagaca tgatactata 180
gcctcatcaa gtgcaacttt gtacatgtct gatgcatata tgttgtgtac atgttgtgga 240
ctgagaggac atcttcaggc actggctctc acctcctaac ttgagataat cttgtttgct 300
gttgaatgca tcaagctagc tggcccatgg tcaaattttc ttctgtact aaaatgtacg 360
gcagcaatgg gataaatctt aggttaacag tatattcaga tgcactgtgt atagcaataa 420
aaagctccag tgatgttctc tttctaaaga cacactgtcc ttctggggag gtgggatctg 480
actctaactc ggcaccatgt ctagctcatt ttacaaaatt aacctttaca aagatctaca 540
tcagcatcta gaagagtcac caatcaatga tcaagaaaac tgttatttgc ttttctttct 600
ttttgactgg gtaatttcct taagctacat tattatgggc taactggaaa ac 652

<210> 1284
<211> 420
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI236761

<400> 1284
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gaacaggtcg tatgggtggag ctgagctagt gtacaatgca ccagttgtac agaaacaaaa 180
atgaagtgag ccatcttttg ttcatttaaa atgggtgttt gaatttcata tgcagaaaac 240
gttttgttac attgcagatt ttaatgtatt taataaatgc aacatgcaga ttaagtgcag 300
tgtatactga gtatttaaat taaaatgtac atttcataaa tacagtttca agagaaagca 360
tcattttgtg tatactaaca catthaagtgt atgtcagaaa ttgatgtaca aatatatatt 420

<210> 1285
<211> 522
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI236771

<400> 1285
aataaagtga ggtttacatt gttgatagtg aagaacagtc ataacacata caaaataaaa 60
cctcttaggc tcaggtgggg acgtccaaaa gaacagcaca agagaaacaa aagcatggtg 120
gggtgggggt ggggtctgac atgtgatctg gttatcgga ccatgagacc caagcagaca 180
gcatggggcc accccaggat ggaggagcac taagttacag aatcagattg tttttaacct 240
taaaatgttc aagcaccatt ttaaagcaag caagcacagg tactcctatt gagcacatgg 300
tgggctgcac accctttcta agcacacaca tgcccggcac cctgcagtct ccacgcatac 360

tcttgacatg tagcatgtgg tgctgggtgt tgttgggatg tcgtgtcctc gtgtcacaca 420
 gtgctgggct ggggacccaa ggaccagacc tgcataaggc actgcctgac cacagtctct 480
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<210> 1286

<211> 655

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236772

<400> 1286

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 cacaggcaaa gaagacagcc tttgtgtcta tagcaagctc agaggtagca caagagagta 180
 tccatctggt aacattggaa atcatgcaaa caactgagtc aaggcatggc attaagggtga 240
 catcagcatg agttataatt ccctgggtac aaaacctata tattctttgg gtttcaaaaa 300
 aattaaatga atggcctact tttatcttct ggacaaaaaa acaaaaaaaa aaaaatctct 360
 aagagcaaa gtcacatatt gtcctaacca catacatata aaatattcaa ggccacagat 420
 ggaggtcgct agatgacaaa agaggatact gagaggtaaa gtaaccagag agagatgcag 480
 gagggaaagg cccctctgcc tccatggggg atgcaaaggc ttaggcaact gaacacccaa 540
 cgtggaccac actgcctgcc acaaggaact cctcactgag ctgacgtcac catcatcaaa 600
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<210> 1287

<211> 571

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236773

<400> 1287

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 aatacgtgtt tatatacaca cattcacatc cttacatata cgcaccagga actcagggtt 180
 ttctcattaa tttagtttca ttaattccct tctgggtgct gagatttttt tttaaagcaa 240
 ttacagtatc caaagaacaa aatgactata ccatttgggt tacagatgac aacagggtgca 300
 tttggtgaac tttgatttat cttctgaaaa gtggctttgt ttgttgagac gggcaggatt 360
 cagctatgca taccaagtct cagagacagc ctggggaagc acaaggttca gacaatccaa 420
 ataacactcc tgtgaggtgt cttcaaaaca catctgagga taccctgttc tcaaagtatt 480
 ttcttccgag agccacaaag gccagagtta ctatgtaaat gtctatagtt aacgaaagtg 540
 accgtttcat tttttagagc aacaattggt t 571

<210> 1288

<211> 446

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236947

<400> 1288

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 aagtttcaaa gaagcagctg aggaactgag ctccgacttc atcatatgcg aagaggctgc 120
 taaaccgttt tgatttctgc catttctaaa tctgttaaga taaaaaaaaa ttcacttttcg 180

acttcaggag aaaaccattt tgggttcttta catgttagct gaagggccta cacataagaa 240
agcaaagctg ccgtcttagg gatggacatg acagttccat agaaagaaaa ccaaggagct 300
atttctcaag tctttccata atggagccac agtgactcag ggactcagca ctctagagct 360
tagcccagga ctctggctct acaagcacta gcatgccgaa gacaccagca gcgaacaatc 420
tgcccaggct ctaaactgaa aaaaac 446

<210> 1289

<211> 382

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236972

<400> 1289

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gacactgagc atgagttttg gtccatttat tatttccacc tgtccacctg tccatctgtc 120
cccagcccgga aatctcacag acacttttac ttcaagctac cttgggcccgg cgtctcagga 180
aacagcgctg atacatggga cggaatgttt cagagcacat gacaccgctg tgaaatgaca 240
ctagactcag tcaaggctct gtggaagcca acagcagcaa acttgctaga acagtaagcc 300
agcaggaagg gaacgacggg gtgccctgct gccgacgcca cggtgacaac atgaccatga 360
ttattcttca tcatggctgg ga 382

<210> 1290

<211> 410

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236989

<400> 1290

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ttttttgttt gtttgtttgt ttctcacatg ggaaagttaa gtataatatt taaaaaggag 180
aattctgtca aaaagacact gtgttgggga ggagagtctg ggattgccat gtgaatcaca 240
ttttcttttt tctcttcttt tctgacacgt ttgccatttt cctcttcttg gctggcgctg 300
ggctattttct ttttagttggc tgctggctgc caccagtgtg gtcagatttc tctgcattag 360
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<210> 1291

<211> 469

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI237002

<400> 1291

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cagctgctgc acgggctccc ggaagtgggt gctcgggttt ttgctacaca gcatgaagcc 180
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agacttgtag aaatgcctca tctccttgat gaggtccagg tgcagccact ggcactcgcc 300
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cttgaagagg ctctcagcag ggcccatggg gtctgaggag tcggtgatga tgacatcaaa 420
ggcatcttgg ttctgcttca tgaactcaaa gccatcgccc acgtggaga 469

<210> 1292
<211> 441
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AI237124

<400> 1292
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accgcatcat ggccaccact gactgggagc tccactaacc atgattcaac tgacccatgt 120
cagacggtgg aaggaacaaa aaccaggccc aagcgtctgg ctttacattg caaataggga 180
cagggtggtt cttgcctttc agaaacaggc ttggcagata ggcaaactaa gaagtaaaaa 240
tagaaacaac cagaaaaaca gtctctttac acataattaa gacagcacct gctctccagg 300
gcaagaaagc acccggccct ttgggatata caaatattta tcagattctc tttgcttggt 360
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gcagaggtgc actggctttg g 441

<210> 1293
<211> 451
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AI237159

<400> 1293
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tatgcctgga ccagacatca gacatttcag accagggtgct ggtttgcatg cacaggaatc 120
ctgacaggat ggccaccgtc tcacaccaac cggaagtga atcttaacat tccaatgatc 180
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atccaagtct atttcctact tcttcccagt atttgaactt ctcaggagta acgtactctt 360
caaccttaag gtggcgcttg gtcggctgca tatactgcc gagagttaaa cagtccacat 420
cggctgcacg gagagcttcc tcgtgccgcc t 451

<210> 1294
<211> 471
<212> DNA
<213> *Rattus norvegicus*

<220>
<223> Genbank Accession No. AI237189

<400> 1294
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tctacaaagc aacgttggtg acctttgagg tatgtgataa agtagtctga gagaaacaac 120
aaaaacattc actctgacag ttaacatttt tctaaatgta acaatttgaa gtttctaatc 180
cactcactct aacatacagc cagatacttc ctatgttcct aaacaaacaa aacaagacaa 240
gacaaaacgg aacaggaggt attactctga agcccccttc cccagggaga gtagatagga 300
cttgtgaaga gaaacccttc ctttagcca gtatttttat tccctacagg cttcgcaaaa 360
gcgttggtta caatgacatt tggctttggt gacctgagg aaaggcaaca ttgacttaaa 420
gacaatggat attcaataag aataaatata tgtgcgtggt ctagaaagac c 471

<210> 1295
<211> 545

<212> DNA
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI237207

<400> 1295

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agccctagaa agggagggcc agagcagaaa ttaagagaaa aaagccacca gaggaaagga 60
aaaaaaaaaa tcttcagcaa atctagaaac gttgtctcgg cttgtcattc caagagagag 120
agagaaagaa ggggaaaaat aataaaactt aaattcactt ttactttttt gcacgttcac 180
aagcattcac cgtacgtatt ctcttttagt tttttttttt cttttataac cgctgtgaat 240
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tgttttacat ctgtttgtta aaatagatga ttataacagg gcggggaact ttttctctgc 480
aagaatgtta catatttgtc agataagtga gtgacatttc ataccctgta tatatagaga 540
tgttc 545
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<210> 1296

<211> 540

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI237580

<400> 1296

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tctctgcagg cgtgattatt ttaaccagtc atttattcat ttgatagtga ggggtataatc 480
tggaacaatt ttcaaacatc tatacattga caatgtgtag atatcccgtc ccctcgtgcc 540
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<210> 1297

<211> 610

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI237609

<400> 1297

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acatggtggg caggaagggg ttcggctgga agggatctga ggggtgggtg gcgtactgcc 180
caatgaaaat gcagttggtt tgttactgag cactactcat gggaagagag catcccaact 240
cctgctctat agaacgctgg gagtgaaggt gatgcacca gatggaaaat gactgggaat 300
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tttatacaca cacgcgaaca cacgcgaaca cacacacaca cacacacaca cacacacaca 540
cacacacgtg cacgtgtgta tgtgtaccca cacatataca catgaattac tgctttccct 600
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ggaagcacaa

610

<210> 1298

<211> 573

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI237614

<400> 1298

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cctaaaacaa atcccagata tcatatcgct ctgtgcacaa atgtttcagc ctttgtctct 180
aatatatgac cccttccctt aacaggatga taccagcatt ctgactgaaa atgttcataa 240
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catttgaagt ctgggtcctt gtgccgaatt ctt 573
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<210> 1299

<211> 673

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI237618

<400> 1299

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cagtgatagg aggccatgca gtgtgtgaga ccaggagagg gacagcagca ggttacagcg 600
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gcacgactca tgt 673
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<210> 1300

<211> 604

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI237636

<400> 1300

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ctgtcctcca gaagacaact gtcacaatt tccaccagc tgctaactta ccttacatca 180
cctctaagaa aatcagccta gagagccctc ttgaagatgg ctttctaata tgaaatgaaa 240
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agggcaaggc acgtaaaagg cagcccaaca tcagtgaggc cctgggccta ttctggaaaa 300
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taatggtctc agacaaatca atcttctaca gaagatgagg tgactaggcc agtacaaaaa 420
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tacaaattac agagacatga aggtcacttc tgtgattttt attttagatg ttctttaaga 540
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<210> 1301

<211> 597

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI237698

<400> 1301

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aagactttta aaggtcttca tgactttaca gacatcttca cacacctttt ggtcctcaca 240
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aacaacatgg gatattgaat ctttattatt actgcatttt attatcattc tcttgttatg 480
aattttcttc tttattataa cttatacaaa atatctccat ttctactgca atatttattt 540
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<210> 1302

<211> 592

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI237713

<400> 1302

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gcatcagtac aaaaaatcta agcagagaca gtagattagt aattagagca tcatgtagcg 180
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gcaattcaaa tttacaaatt ataaaaattc accgctttta tagctgggtt cttttgaatg 300
gctaaatttt agcctcattt ttttttcaat taaatgcctg ttaacaaacc aattggacaa 360
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gaataagttc tattcatttt catcatctct gtgatcaggt tgcaaaggac atgcttttct 480
ctttgctttt cctaagccac tgcttcctgc ttcttcagga atctgggttt cttttttaga 540
atctttaagg gacaacctga agaattcccc gatgcctttt tgccacttgg ga 592

```

<210> 1303

<211> 563

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI237855

<400> 1303


```

ggtttctatt tatttcgata taagaataaa atgtaataat atatccaaac attgcacaaa 60
cagccatggt gttattttatc aaagttcacc agaatatgta tactagccta agtttggttag 120
ccaaaagggg cttaagataa caagatacaa ctctttttatc aaaactctca aaatggggaa 180
tgataaagaa caggacaacc acactgatgt catcttttgtt cttctacatg atattctctt 240
acgtctccca aacaagtgtg aggaggattg agggacactt ccagaatggc taccatgttc 300
caggttctct gtgagatact ttgtgaaaat actctcccat ggtggacatg atcaatggca 360
ggttttatat aacaactcaa gaggccccca gaagttaaac ccaggaaatg ttggaccatg 420
gaaagagatt gaaaggagaa cttttaatta tgagaaaagg atccagtaag aatacactta 480
aacagatcaa taataatata tatctatatg ggattggaca aagggttcat gagaaacaac 540
gacattactt gtattctaaa agg                                     563

```

<210> 1304

<211> 493

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI638994

<400> 1304

```

ttcaatttaa ggatgtcttt atttacaaga tacaaatatt tcatatttaa caagaattga 60
agaggcttaa gtttacaatg ttttcaatta tctgccttta tgatcaaata tacagatggt 120
acactatata tacagcatgt ccaaattatc acaccactgc aaaataagga cgtttatatt 180
ttcacattaa cgtcaattat aaaattctga tgtgcccttt gaaactcagt caacaagtca 240
aaagaaaaaa atcaaaaaca tgcttatttt ttaaaataac agttaattgt ctcttaaagt 300
atgaaaatacc agtttggttt tatacatgaa tgattatatg acaaagacac ttactatgta 360
tttgagtctt catatttcaa aatacacaaat gcaatcatca taacgggctc catgatctgt 420
ctttacttga tgtatttagt attcacttat taaaatatac taaaatttga ttttaattta 480
tttttatggc aaa                                     493

```

<210> 1305

<211> 399

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI638998

<400> 1305

```

ttccggagct ggggaccgaa cccagggcct tgcgattgct aggcaagtgc tctaccactg 60
agctaaatcc ccaacctcct cctgttgtgt tttctaactg agccctttac ccactgtgaa 120
ctctcccaat gtaacgtctc atgttcgctc tgcaaataaa gagctcgtgg gtacctaagc 180
cgcacactgg acatctgtac tcgtatgctt cagcaggaat tgtgtgacct aggaaacatc 240
tgtacacaga tgtaggccat gcggcataca cttctagttc tcagctcgca accctgtggc 300
ctcttctaga ggagcaagta tgcaggaaca agggcagaag gccactctt ctgagatcca 360
cgtccttctt agaatacaaa ttctgggacc cagcggcag                                     399

```

<210> 1306

<211> 448

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI639029

<220>

<221> misc_feature

<222> (1)..(448)

<223> n = a or c or g or t

<400> 1306

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ttacaaaaac aaacttttatt ttgctatctc acaagtcagc caggagattg ccatggtata 60
tgtccctgct tctggtaact tttaccagac acaaacagga tcccttcacg tccctcacggg 120
agctcaggct gcctctgcca tgctgggggc ttcccaaagc agccagagag atttctctgc 180
accacctcag cctctacaga agttctggct ggggaaagac tcgctgagcc tccgtggcta 240
accaggcttt ctgacccaag atcaggcacg gtggccctcg gctgggcttg ctgaccgaac 300
atccagacag aggtttctcc tttggcaggg cctgcctcag agccaggtec catttgctgc 360
acagtccaag aagccatcat ctcaggagcc ttccccagac ttcactgaag gctgtacagc 420
cacctnctcg atctgccagc gacacatg                                     448
```

<210> 1307

<211> 392

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI639042

<400> 1307

```
ttgacaatta ctgtatgtat aatatattac aacatacata ttacagttta attatatgta 60
cacatacaga gcatcaaaat acttttgcta ctttgacaac taaattgaga ttaaaaatac 120
acaagttcaa acatttctac atacaacatt tttaggtttt catttaccac aaacaaaata 180
gtacaagttt tgctgcctcg atatatacat caaaataaat acttttaatt gtggaaaata 240
gaaatcaaat ttcttaacat tataacaaca aatagtttac cctgaatttg tagtatcttt 300
ttgttaaaaa ataaatttac ttaatcttaa atttaagtca atgtacttta atgcttttta 360
aaaagagaca aaataactaaa ggacagggtt ac                                     392
```

<210> 1308

<211> 388

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI639055

<400> 1308

```
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tttaggggtcc ccccaaacc caaaaagcct ttggggggca gggtatcctg cattttttga 120
atttagaacc ctctggcagg accaaacatc cggttaactt taaaaaaggg gggcccaaata 180
tttttgtaaa agcccaggcc agtttgtcaa agggaacccc tgtggggaaa ttttctttcc 240
cccatccgtt tttaaaaaac atttttttac caaaaccgtg gaattgaaca aaaaaagggg 300
aatggggccc atttcccaa atttcacaaa aaaaagggac cggggaaccc ggggttttat 360
ccaaaggctt tgtgtttgaa aaaaaaaa                                     388
```

<210> 1309

<211> 533

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI639101

<400> 1309

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```

```

ctctaccact gagctaaatc cccaaccctt aaatgaatgt ttttaattaa cttctattcg 120
ccttcattca gtatgtggat ttacattctt ggtggttcaa ggggagtaga gatacactta 180
gaaccataag cagctcacag cagacatttt aggcactgga gacttgggtc gaggttagaa 240
acatggagtc aagttagggt cccaggggtc gtgacaggag gctcacagcc agctccaggg 300
cgtcagacac ccgcggaact ggcatgtatc tatctgtatt cacatgcaca cactccttca 360
cagatacata cacacatatc agagctaaaa tatttgctgg gcagtgggtg tgtgtgcctt 420
taatcctagc actcgggagg tagatctttg agtttgaggc tagcctggtc tacagagtga 480
gtttcaggat atccagggtc atacagagaa accctgtctt gagaaagaga aaa 533

```

<210> 1310

<211> 413

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI639108

<400> 1310

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ttattaaaaa aaaaagtgtt attttggttt acgtttccag agggatgaat ccatcaaggc 60
agggaggcgg gacagcaggg ggcaggcaca gaagcaacag gaagttgaaa attcacatct 120
tcaaacacaa gaaggaagca gaaagggggg gtgaggagaa agcagtgttt gatatttcct 180
acacacacat gtcaacattc accgttctta gaccactgag tcaggctctg acatccttct 240
gagcctcaca agggaatggg tttgccattc ccatgaggcc atgactgag gtactaaaca 300
tggctgtggc catgtcaaca acatagcccc actctggacc tcactctaga cactgtaaag 360
aggacaggag gaccccatgc atgtaactat ggggaaagct atcattcgcg ctg 413

```

<210> 1311

<211> 411

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI639151

<400> 1311

```

ttaataatga aagatgcata tttatttcta caaaagcaat gtatgatata gaacataaag 60
gaacaattaa agatttacct attaaaatat acagattctg actgaaaagt aatagggtat 120
ttaaaaaaga tgacaaagga tgtaaatctt tttttattat tatcattttt acatattttg 180
gaacctcaca taattttgat aaataactct tacaaaaatta tgcaaaaagt acaagaatgt 240
ctggtaaaca aacagtctgt attttccaaa aagaattttt acaacatgca attcttaagg 300
cagcatcctc tttacaaggc aatcctttta ctcatacaat cttctgctgc aaagaatagg 360
ctaagcaagc ctggcttctt ccattaacgc cttttgtctt tcctgtctga t 411

```

<210> 1312

<211> 447

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI639158

<400> 1312

```

ttagtggtga cacttaaagt ttaattacca gcagcagaag gccttggaac aaacattgat 60
ctcctaagag ttaagaggca gattccatgc atttctgttt cttggctgct ggctcctcag 120
tcttggtgta gtctaaagca ctgcacagg acttgagact ggggtctact cgatggctgt 180
ccgagacaac agtgaagcct gacagaagg accctccacc tccactcatc aacaatttgg 240
gatgactccg atctggcaga acctggtaat ttctgagcca ggtttcagac agtctcaggt 300

```

```

taatgactcc tcctctctcc cgcagttttg tgtagcattc caacaaaggc tctttatact 360
gacaatagac cacaaacggc cttgatgggg ctacaaagtc cagcaaagac agcagcaggg 420
gtgtgggggt ggaaacgact ggccaca                                447

```

```

<210> 1313
<211> 393
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI639167

```

```

<400> 1313
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acctggggaa gcatgagcga tggcctcagc ctgcagcaag tgggtggcat gcctgtgcac 180
aacaagctgg agcggagatt ggtggggcct gcacaccctt ttcattccga ttgctttaaa 240
tactggacac agcctttgca cagtggcccc tgtggccacc tatgaacact gcaagtgtag 300
taaccggatg tgtgtgggca aacaccttct aaaccacacc agtgtaccg atagccagag 360
cctaggatca cagtatagag aggtgactca ggg                                393

```

```

<210> 1314
<211> 461
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI639281

```

```

<400> 1314
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gttgtaggat atttagcccc acccctttga ggaattggag gacgtttaac tccaccctt 180
ttatgtatca cagtggtcag cagtgttgcc tcctactttt aaggctgaca ctaaagccga 240
gttcagagtt gctaaatagc tcctaagtgg aagatgggta gcaaccacag ctaagaaccc 300
ctggattggg cagggccatc ttcttgtgtt tctgtggtcc aggccaatgg acgtcaatgg 360
ccagggatgt cagttcactg ggggcatttg ctctgatcca ctgcccaga ggtttgggca 420
tgaagttgcc cctctcatct ctatcagatt gtggtagaac a                                461

```

```

<210> 1315
<211> 570
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI639310

```

```

<220>
<221> misc_feature
<222> (1)..(570)
<223> n = a or c or g or t

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<400> 1315
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ggaaaaaata aataantnnn nnnnttcaac aaacacttac tggtcacata gtctacgcca 120
aggttttagt acaatataca cagtgtatga tccccattgg aaaggcaaga aaccaaactc 180
aaggttttaa gtttgggaat tagcaaaaga aggttgtacg atcttacgaa aataccgcag 240

```

```

accactgacc tatgttttag gacgtgaatt ttatgggttg taccctgga agtccggcag 300
gcgggtgcgtg acgtttttac gtggcagata tctgtggagt agcgggcaga atcagagcca 360
cactgtcaag tgcagtcctg taatcccagc acatgagaac ctgaggagga ccatccagaa 420
tctacagcct gagctattta tgcactgagt ccaagactgc ctggggctat acggtgaggc 480
gctctcagtc agtcaactga tcaatccatc agccgaccag ccacagnctt taatacaaaag 540
ataccttaat aaacagaggt gaacgtctac 570

```

<210> 1316

<211> 401

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI639488

<400> 1316

```

ttagactaag acaatgctcc ggctttaatg tatgaaaata ataccatgt tgtctaattt 60
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gagcacaatc atttgatcg gctgtctgca cacggggcag ggcttattcc tcttcttttag 180
cttctttgca cacgtgaaac atgacatcag gtgtccggtt ttgccgtgaa caatgcaacc 240
atTTTTtaggc cgcccttggc aaatcacaca tggtctgatg gcgttcagag agaagctgga 300
ttccatactt tctcttttgt cttgtgtgtc ctcttcaac tctttgccac tttcttggct 360
gctgtaaaca atgctactgg aagtcgacgg ctgggaatag t 401

```

<210> 1317

<211> 486

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI639501

<220>

<221> misc_feature

<222> (1)..(486)

<223> n = a or c or g or t

<400> 1317

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actgcacact caagcatcac tggagtgaca cacaggtttc cccagatgac tgctaagagg 120
gaaaaaagga accaggatac aacaaactca tatttaagta gtaaacaatgt cagatatttt 180
aaaataataa atacagaata gcaggagaga aactaaaatc ataaaacagc atggagtata 240
ttttattttc ttttaagacag atgaaatttc taggcacagt tttaggcatt aaggaggaca 300
cagaggcata ggtagtggtg tgctgctctg tacaaaaata cagtctgaat aaattacatt 360
gctagccata caattagaca atcacttata agtcaattca ctgcatgttt aataatatac 420
aggtacatgc gaatccatat atatcattta tatttcaaac acataagnct ctctatattt 480
ggtttt

```

<210> 1318

<211> 453

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI639534

<400> 1318

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ctcttccacc	accagcttct	gcccctgtag	cacctcacac	agtggccgtg	ggatcccca	180
gaaggttaaca	ttcttctcac	cctgaccttc	aacctatgaa	actgtaggcg	agtacttggg	240
gagcaaagg	gtgcaaagtc	gctgacggac	acgggtgggg	ttgggtccac	atgggtggtg	300
gcacagaccc	caggtactcc	actgtgacca	tgaacctttc	aagacacagt	tatggatgtc	360
atagcagtgt	cgaatatctt	ggagtttccc	agtacatggc	tgcccatcaa	atttgccggc	420
accacagctc	cttgaacgtg	actgctggcc	tgg			453

<210> 1319

<211> 2002

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AJ000347

<400> 1319

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tcggaggaga	tcctgaagca	gccgtgcccc	tcgcagtaca	gtgcaatcaa	ggaggaagac	360
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ttctcttgcc	attaaaagct	atcatcagaa	aaaaaaaaa	aaaaaattcc	tgccggccgcg	1920
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<210> 1320

<211> 3166

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AJ001929

<400> 1320

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<400> 1321

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<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. AJ224120

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<212> DNA

<213> Rattus norvegicus

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<212> DNA

<213> Rattus norvegicus

<220>

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

<220>

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<213> Rattus norvegicus

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<212> DNA

<213> *Rattus norvegicus*

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<213> Rattus norvegicus

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<210> 1339

<211> 2573

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. D42148

<400> 1339

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<211> 1397

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. D50695

<400> 1340

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<210> 1341

<211> 610

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. D63411

<400> 1341

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<210> 1342

<211> 2091

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. D63704

<400> 1342

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c c a a c t c t g t   t c g c a g t c c c   c a g t c t c t c c   a g c c a t g g c a   c c a c a g a a c   g a c t t t c t c a t   120
c c g c g g g g g t   c g c g t g g t c a   a t g a t g a c t t   c t c a c a g g t g   g c c g a c g t g c   t a g t g g a g g a   180
c g g c g t g g t g   c g g g c g c t g g   g a c g g g a c t t   g c t g c c t c c c   g g g g a c a c a t   c c c g g g g g g t   240
g c g g a t c c t a   g a t g c a g c g g   g c a a g c t c g t   c c t g c c g g g a   g g c a t c g a c a   c a c a c a c g c a   300
c a t g c a g t t c   c c g t t c a t g g   g t c t c g c a g t c   a g t c g a c g a c   t t c c a c c a g g   g c a c c a a g g c   360
t g c t t t g g c a   g g a g g c a c c a   c c a t g a t c a t   t g a t t t t g c g   a t t c c t c a g a   a a g g c a g t c   420
c c t c a t t g a a   g c t t t t g a g a   c c t g g c g c a a   c t g g g c a g a c   c c c a a a g t c t   g c t g t g a c t a   480
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t g c c c a a g a t   a a a g g c g t t a   a c t c t t t c a a   g a t g t t t a t g   g c c t a c a a a g   a c c t g t a c a t   600
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g g g g a t a a c g   g g c c c c g a g g   g g c a c g a g c t   g t g c c g c c c g   g a a g c a g t g g   a g g c a g a g g c   780
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c t t t t c t c a t g   a a t c t g t t g g   c t a a t g g c g a   t c t g a c c a c a   a c a g g g a g t g   a c a a c t g c a c   1080
t t t c a a c a c c   t g c c a a a a a g   c t c t a g g g a a   g g a t g a c t t c   a c t a a g a t t c   c c a a t g g g g t   1140
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a g c c a c c a g g   a c g a t c t c a g   c c a a a a c a c a   t c a t c a g g c c   g t t a a c t t c a   a c a t t t t t c g a   1380
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a g c a g g c g t t   t t c g a c g t c a   c a g c a g g a c a   c g g g a a g t t t   a t t c c g c g a c   a a c c t t t c g c   1500
t g a g t t c a t t   t a c a a a c g a g   t c a a g c a g c g   a g a c c a g a c c   t g c a c a c c t a   t a c c g g t g a a   1560
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c c t g c c a t t t   c a a c t c t c c a   a g a t c c t t t a   g g a a a a a t t c   a t c g c t c t a g   g c c t c t t t t g a   1800
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a g g a t a t a a a   t g a a c a t t a t   t g g g a t g a a a   c g t c t g c a t g   a a g a t t c a t t   g a a g a t t c c t   1920
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t c t g g t g t a a   a g g t t t t g t t   t g t t t g t t t t   g t t t t a a t g t   t t a t g t t t g t   t t t a a a a a t c   2040
a g t g a t t t t a   c a t t t c a t t g   c a a c t a a t a a   a c a t c t g g a g   c t t c a t t c t g   c   2091
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<211> 4358

<212> DNA

<213> *Rattus norvegicus*

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<223> Genbank Accession No. D85035

<400> 1343

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a a t a c a a g c t   c a t g c g a c t c   t t c g t t c c a c   c a t g g c c a a g   a a a c t a g a c a   a g a a a c a t t g   180
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c a t c a a g c a c   a c g a c t c t t g   g t g a g c g a g g   g g c t c t c c g a   g a a g c a g t g a   g a t g c t t g a a   300
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c a c a a g t a t c   g c c a a c a a g a   a c t a c t a t g g   t g c a g c t a a g   c t g a t t t t t t   c c g a t a a t c c   420
t c t t g g t c t t   a c t t g c g g a a   t g g t t t g t c c   a a c a t c t g a c   c t c t g t g t c g   g a g g a t g c a a   480
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g g t g t t c a a a   g c g a t g a a c a   t c c c a c a g a t   c a g a a g c c c g   t t g c t g c c t c   c t c c g g a a c a   600
t a t g c c g g a a   g c t t a c t c a g   c a a a a a t t g c   g c t g t t t g g a   g c t g g g c c t g   c g a g t a t a a g   660
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ggcctctgcc agagaagatc ctggcgccct ttctgtttct nagccacttc aggctgttta 240
canttacaag atctaagacc agccaagccc gagttcacag tgaagccaca ggtcacattc 300
tgtccaacac tccacattcc tacagggggt ccctgggaaa agggggcctg gtcct 355

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<210> 1356

<211> 403
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. H31287

<220>
 <221> misc_feature
 <222> (1)..(403)
 <223> n = a or c or g or t

<400> 1356
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 acaggaatgc atgaagcaca atggctgttt cttcctccag aaaggcactt acagtttagc 120
 ttggcccaaa aaggcaggcg aaactgagac accagtactc aactcacacc ttggagctga 180
 agggccagtt aaggtggctc tagccataca gcccacactn cccttctct gnetnctcca 240
 gctgtggccc atctggggac aacctgggtc catctccctt cggtcagacc gtgggaggag 300
 agacttgggc tgcaatcctn cctcaaccag gggatgtagc aaggattccc caggggncac 360
 aaagtcgctc tgaaaggctt cccctggcgg aggaggacag cgg 403

<210> 1357
 <211> 283
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. H31620

<400> 1357
 gagagcatgg ctcagcgaat ggtctgggtg gacctggaga tgacaggatt ggacattgag 60
 aaggatcaga ttattgagat ggcttgtctg ataactgact ctgaccttaa cattttggct 120
 gaaggtccca acctgattat caaacagccg gatgagttgc tggacagcat gtcagattgg 180
 tgcaaggagc atcacgggaa gtctggtctt accaaggccg tgaaggagag tacagttaca 240
 ctgcagcagg cagagtatga atttctgtcc tttgtacgac agc 283

<210> 1358
 <211> 438
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. H31813

<220>
 <221> misc_feature
 <222> (1)..(438)
 <223> n = a or c or g or t

<400> 1358
 ggcttcaatg gattttatta gccttctttc atgtactgac tgggtatagg aggccttcca 60
 gaggaagagg cctgcaagtn agaggctcag gagaagccaa atcactgaca ccagagctg 120
 gttaggggtg gatggacaag atctgagcga ttcctcttct ggaggaggga acgaacagtg 180
 ctgctgaggc atgtnacca cccagccaga cactcttcac agaacagttc tggaggggtg 240
 ggtgaaggat gtcctgctcc atgcagggat ggggtgtcann ngaggaaggg aggagtttat 300
 cagaaggcaa gaggaagtaa caaactgaga ggagcggagg aggaggaaag cagttaagct 360
 gccttcgtct gcaagcctcc aggatggcac ggaagatggc tgcagccgag acttctccag 420

gatctggctg atctagtt

438

<210> 1359

<211> 275

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. H32584

<400> 1359

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tgcagccctt acctccagtc ctcacccagt gctgcagcca tctggccacc ccgacccccg 60
cacatcactg gcatgtgtgc gctgcctgct cccctcagtt cacttgcccc ctttctgttt 120
ggcttttgc ttttgttggg gtgagagccc tagctcccag ctccccctcac actacctttt 180
gacactaaga cggaagggtt ctaagttgca ggaacaggat gaaaattctt tactaccctc 240
ttcaactttt aggatgggca cttgggagtg tgagg 275
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<210> 1360

<211> 437

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. H32867

<220>

<221> misc_feature

<222> (1)..(437)

<223> n = a or c or g or t

<400> 1360

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gctgattggc ctctacgtct ttaagcgctt ccccaccage atgattggcg tgggcctttt 60
caccaacctg gtctactttg gccttctcca gaccttcccc ttcacatgc tgacatcacc 120
taacttcac cgtgcatgcg ggctagtggg ggtgaaccat tacctggcat ttnanttttt 180
tgcggaagaa tattatcctt tctctgaggt cctggcctac ttcacattct gcctgtggat 240
aatcccggtt gctttcttcg tgtcactctc ggctggggag aatgtcctgc cctccaccat 300
gcagccaggc gatgacgtgg tctccaatta cttcaccaaa ggcaagcgaa ggcaagcgct 360
taggcacctt ggttggtttc tccttcatca aagaggccat cctaccagc cggcagaaga 420
tatactgacc ctttggg 437
```

<210> 1361

<211> 396

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. H32977

<220>

<221> misc_feature

<222> (1)..(396)

<223> n = a or c or g or t

<400> 1361

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aaagggttgg cactttatta aataagcncc aaaattacat acaaatacaa agagtaagaa 60
aaataaacac tcagcaaaat gtctctnggt agcatccagc accactgcag ttaaagtatg 120
gcatagctgt ggtatcacca tgctcgctct ccccgctccc aaggatggca ggacagggac 180
```

```

atcagctttc caaaccaaac tgtcatcatt cattgctatc cctttcttta ccatttaaca 240
tacagngaac acacttcaat ggaatagact aataagccaa gagctttatt gatgcagcag 300
gcactttaca atgganccca agagagcctg ccttctctga gaagacagga tgtctgtaca 360
aactctcatc aggttttttc cacttcagaa cccaag 396

```

```

<210> 1362
<211> 381
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. H33219

```

```

<220>
<221> misc_feature
<222> (1)..(381)
<223> n = a or c or g or t

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<400> 1362
cttttaaatt attttattat tgtataagct aaanggaaat ttacacactg aaatctcaaa 60
acccttgggc atgcatatta acccgtaga ggttcttcta catgtctctc ctgcttccat 120
aggaattgcc ccaaacggtt aaaaccaca gcttggtttt ttgttttttt actgtatata 180
cagcctaaac catagcaatc taggattatg tcatttttaca ctgtgcaaaa tcctcaaaaa 240
atagtgggtat gacagagcag aaagatctct acaaatttca ttttaagaca ttcataataat 300
tnggtccttc tccaaatcac accaattaaa acaggcacat tctctgtcaa gcctccagtc 360
acgncctgac agtgatcccg g 381

```

```

<210> 1363
<211> 422
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. H33426

```

```

<220>
<221> misc_feature
<222> (1)..(422)
<223> n = a or c or g or t

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```

<400> 1363
aaagatttat tcatgcagtt tatgtatatg agtnctgtct tcatacacat cagaaggaat 60
cagacctcat agatggttgt nagccactat ggggttggtg ggaattgaac ttaggacctc 120
tggaagaact actgggtgct atcactcaga cccagggttt tgggagagac agtgtcctgt 180
gtagcctata actgattagg aatttgaatc tcttctgcct ccacctacca catgctggga 240
tgactgctaa gagttgtagc ttccagaaag gatgaacatt aagacctttg tgcttctgta 300
acagaagtta aagaaccatg ggaacattac tttggtttca acaggatggt gtttgttcaa 360
ggctgagagc ctcaagtgag caatttagca gagtctgtat acaaacagat ttaccactgg 420
gg 422

```

```

<210> 1364
<211> 569
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. H33491

```

<220>
 <221> misc_feature
 <222> (1)..(569)
 <223> n = a or c or g or t

<400> 1364
 ttccctggttt tggacagggg cttcccatct tctcttccac cctttctcta tggteccctgg 60
 cagtagctcc gcatgtncct taccttttct nactctggcc ctttgagtgt ggcaaattccc 120
 atagctctga ccctccaaaa ctgttcgagg agaaggagga agaggaggag gaggattcga 180
 gtcttctggt aagcggggag agcgccctct cagacaggtc tcagctcact ctccgtctct 240
 ttagttatgc ttgctcttaa tttcatgac tttgttggtc agcatgctct gagcggttgt 300
 nagatgcttg atggcatcaa acacaaggat gcccggtatc accaaccata tggcattcat 360
 gataacgaag taggaaccag aaataaaggg ggtgacctag ctctccatgc tgggaatccat 420
 cgcgagggtc ggtcaggaag tacagcacat ccccatatat ctggcccaca gacaccacaa 480
 gctgtaggac aaagcggaag ggtttgatga cggagaaagg cgatcaccac ccataggctn 540
 agtgggtccc cagagacaag ctgtgacaa 569

<210> 1365
 <211> 299
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. H33832

<220>
 <221> misc_feature
 <222> (1)..(299)
 <223> n = a or c or g or t

<400> 1365
 ctggcctctg tccctgagcc ccagccttga cctgccctct gtccttggtc cccatccctg 60
 tcccttttcc ccttgccaac cccatgcccc caggctcatc gctatatcta ctttacgcgc 120
 atnatcgcca ttctgcttcg agtggcggtg ccttccagt ggcagtggct gtaccagctc 180
 ttggtggaga gttccaccct gggcttcttc gtgctcaacg gctacaagtt ccagcnggcn 240
 ggggggacaa ncccataanc tggcaagttg ccacaacaag gagggatgaa ggagggacg 299

<210> 1366
 <211> 335
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. H33842

<220>
 <221> misc_feature
 <222> (1)..(335)
 <223> n = a or c or g or t

<400> 1366
 cgatgacact gatgacgacc tccctatatc caagaagaag aagaaaagga agggcagtgg 60
 cagtgaacag gaaggcgaag aggaggaagg tggagagagg aagaagaaga ggaggagaag 120
 acctccaaag ggagaagaag gttctgatga tgatgaaaca gaaaatggcc ccaaaccaaa 180
 gaagcgccgt ccaccgagag cagagaaaaa gaaggctccc aagccagaac gcctgcntcc 240
 ttcantgaaa ggaaaaataa aatccaaagc cattatatca tcaagcgatg attcttcaga 300

tgaggataaa ctgaaaattg cttgatgaag gacat

335

<210> 1367

<211> 294

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. H34047

<220>

<221> misc_feature

<222> (1) .. (294)

<223> n = a or c or g or t

<400> 1367

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cttttagcaca agtgggtctcc tggtcacaag cccggtgtgga gccttctgtc atgggagtag 60
gaccgattcc agccataaag caagctgttg caaaggcagg ctgggccctg gaggatgttg 120
acgtgtttga aatcaatgaa gcctttgcag cagtgtctgc agcaatagct aaagaacttg 180
gattaagccc cgagaagggtg aacatcgatg gaggagccat tgccttggga catcctctgg 240
gagcatctgg ctgtaggatt ctagtgacct tnttacacaa cctgggagag agtt 294
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<210> 1368

<211> 419

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. H34186

<220>

<221> misc_feature

<222> (1) .. (419)

<223> n = a or c or g or t

<400> 1368

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tggctgtgga ccttccaagg tcgtcttctc cagaagaaca acaaggaccg cttctnccag 60
ctgctctgga gaccaaggcc cccaacactc ctcantcagg ntcagataaa gcaaattaaa 120
aaggntctga agaaatactc taagatcttt gagcagaagg ttcgcttgag ccagtccaaa 180
gcttcaaagg aactgggtgga aagaaggcgg accatgatgg aggacttcag gcaataccga 240
aaaatggccc aggaactcta tatgaagcag aagancgagc gtctagagct acggggaggg 300
gtggacactg acgagctgga cagcaacgtg ngatgactgg tgaggaagag accatttgan 360
tttttnttcc actgaagagg tcattcctct gggaagttca ggagtgcact cagcactgt 419
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<210> 1369

<211> 405

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. H34687

<220>

<221> misc_feature

<222> (1) .. (405)

<223> n = a or c or g or t

<400> 1369
agaaggtctt ctttgccaag atggtggttg atgctgtnat gatgcttgac gagttgctgc 60
agcttaaaat gattggcatc aagaaggtgc aggggtggagc cctggaggag tctcgactag 120
tggctggtgt tgctttcaag aagacgttct cttatgctgg gtttgaaatg cagcccaaga 180
agtataagaa ccccaagatt gccctcttaa atnttgagct tgaactgaaa gcagagaaaag 240
ataatgctga aatcagggtc cacacagtgg agggattacc aggcaatttt tgatgccgag 300
tggaacattc tctatgacaa gttagagaag gttcatcagt ctggagccaa agtcattctg 360
tcttaaactc cctatttggg gntntggcca cccagtactt tgctg 405

<210> 1370

<211> 684

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. J00728

<400> 1370
acgagtgtg acatgatcac tctctgtgtt cacaggaaag cgcatttgtc ttggcgaagg 60
cattgcccga aatgaattgt tcctcttctt caccaccatc ctccagaact tctctgtgtc 120
aagccatttg gctcccaagg acattgacct cagcccatg gagagtggca ttgcaaaaat 180
acctccaacg taccagatct gcttctcagc tcggtgatcg ggctgaggca gccaggtgcc 240
ccagttctgt tggaatggc ctcatgttct tgccctctgg ggacctgctg aaaaccagge 300
tccaaggcca ctgctccaca tcttcctatt gcagttctcc aaagtcccaa ggcttgttct 360
tattctgtg aatggcactg aagaagtcaa tcgactgtct tattttgaca tgtgacagag 420
atttcatgag tacacatctc atgctgagtc acttccctct tcctcctaag agcccacgtc 480
cccacttate agccctccat ggtctgtgat ctgtgctaag ggactctgta tatggtctca 540
gtgctatgtc tacagactta catagtatgt atggttcagg taaacagaat cacagagtgt 600
gtgagcttcg gtgtgttgtg cctttacttc acataatatt atctagggtc ctgtgttcta 660
caggccacag tcacacacat tcat 684

<210> 1371

<211> 950

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. J00735

<400> 1371
tggatgaaca agtgtcacgc tggccacctc aatggaggtt attaccaagg tggcacttac 60
tccaagtcac ctactcctaa cggttatgac aatggcatta tttgggccac ttggaaaacc 120
agctggtatt ccatgaagga aaccaccatg aagataattc cttcaacag actctccatt 180
ggagatgggc agcaacatca catgggagga tccaaacagg tcagcgtgga gcatgaagtg 240
gatgttgaat acccgtaaat cctctgccta gacattttta attagacaca aagaatcaac 300
tataacttct attagcctgt accaagttcc aatattttcc tcaaattttc ttctatacct 360
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taaaccacac gtgaaccatg tttctaagtt acttgaatca aagttattaa aatttgtttg 480
tttgaatggt caacattttg tttgaccttt cccctaaata ttaaaagtaa aactactgta 540
ttttattttta tgatcagctg taattattgt ttttgttgtt gttgtttcct gagtattttt 600
agtatgcact aataaaatag gagaaatttt agaacttcac ctgtatatatt tccatgtatt 660
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ataccttttg ttttattgtg tattcatagg ttggagacat gtaaagaaca tttccaaggt 780
gatttgcctt ttttaacggac tttatccaag cagagagata tatttttcct atgagaccat 840
ggaaccactc tcctttacag agttaatggg atccatgatg caaactccat tagcagtttt 900
atgctggcga taatttatct acatgcattt caataaacat tttgtttcct 950

<210> 1372
 <211> 948
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. J02962

<400> 1372
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 gaaccagcct ggggcaggag gctacccagg ggcctcctat cctggggcct acccaggaca 180
 ggctcctcca gggggttatc ctggacaggc tcctcctagt gcctatccgg gcccaactgg 240
 ccctagtgtc tctcctggcc caactgcccc tggagcttat cctggcccaa ctgcccccg 300
 agccttccca gggcaacctg ggggacctgg agcctacccc agtgctcctg gggcctaccc 360
 cagtgtcctt ggggcctatc ctgctactgg cccctttggg gcccgcactg gaccactgac 420
 agtgccctac gatatgcctt tgcttgagg agtcatgcct cgcagtctga tcacaatcat 480
 aggcacagtg aagcccaacg caaacagtat cactctgaat ttcaagaaag ggaacgacat 540
 cgccttccac tttaaccccc gcttcaatga gaacaacaga agagtcacgc tgtgcaacac 600
 gaagcaggac aataactggg gaaggggaaga aagacagtca gctttcccct ttgagagcgg 660
 caaaccattc aaaatacagg tcctgggttg agccgaccac ttcaagggtg cgggtcaatga 720
 tgttcatctg ttgcagtata accatcggat gaagaacctc agggaaatca gccaaactgg 780
 gatcattggt gacataaccc tcaccagcgc ttcccacgcc atgatctaag ccagaagggg 840
 tgggcccggc ccagaactgc cctgtgtgtt atgagcggga aactttgcat ttctctctcc 900
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<210> 1373
 <211> 2052
 <212> DNA
 <213> Rattus norvegicus

<220>
 <223> Genbank Accession No. J03190

<400> 1373
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 ctcaggcctt tctgcagaag gcagggaat ctctgtgtt ctatgtcaa aactgcccc 120
 agatgatgga agtcggggcc aagccggctc ctcggaccgt gtccacttca gcagcacagt 180
 gccagcaggt caaagaaacc cctccagcca atgagaaaga gaaaactgcc aaagccgcag 240
 tccagcaggc tcctgacgag tcccagatgg cacagactcc agacggcaca cagctccgc 300
 ctggacaccc gtcacctctt acaagccaga gctctgggag caagtgcctt ttcttgagc 360
 cacagctagc cagacgggca gcagcgtctt ccgcaaggcc agtctggagc ttcaggagga 420
 cgtggcagga aatgcatgct gtgaggacag aggttgctca aagcccagtg ctcccagct 480
 tggatcaatgc aaaaagggat ggagaaggct caagcccact gctgaagaac ttccaggaca 540
 tcatgagaaa gcaaaggcca gaaagagtgt ctcatcttct tcaggataac ttgcccagg 600
 tcgtttccac ttttcaatat gatcatttct ttgagaagaa aattgacgag aaaaaaatg 660
 accacaccta ccgagttttt aaaactgtga accggagagc acagatcttt cccatggcag 720
 atgactacac ggactccctc atcaccaata atcaggtgtc ggtctggtcg agtaacgact 780
 atctaggcat gagtcgacac ccacgggtgt gtggggccgt catagagact gtgaaacagc 840
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 ccctggaaga gctgtgtgat gtggcccatg agtttgagc gatcacgttt gtggacgagg 1260
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tgccaaaaat	ggacatcatt	tctggaacac	tccgtaaaagc	gttcgggctgt	gttggaggat	1380
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tcaccacctc	cctgccacca	atgctgctgg	ctggagccct	ggagtctgtg	cggatcctga	1500
agagcaatga	gggacgtgcc	cttcgccgcc	agcaccagcg	caatgtcaag	cttatgaggc	1560
agatgctaata	ggacgctggc	ctcccagtc	tccactgccc	cagccacatc	atccctgtgc	1620
gggttgccga	tgctgctaaa	aacacagaaa	tctgtgatga	gttgatgacc	aggcataata	1680
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ccccacccc	gcaccacaca	ccgcagatga	tgaactactt	cctagagaag	ctgctgctca	1800
cgtggaagcg	agtcgggctg	gaactgaagc	cacattcgtc	agctgaatgc	aacttctgca	1860
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gcaagatggt	gtctgccag	gcctgactgt	gactcagtta	ttcacaaacc	ccagaccatt	1980
accataccca	aatatgagcc	agaattgtct	ttagatgtga	agtaaattat	atattaaatc	2040
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<210> 1374

<211> 573

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. J03627

<400> 1374

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ttgacaaagg	aggacctgag	agtgtcatg	gaaagggagt	tccctggggt	tttggaatt	180
caaaaggacc	ctctggctgt	ggacaaaata	atgaaagacc	tggaccagt	ccgagatgga	240
aaattgggct	tccagagctt	tctatcacta	gtggcggggc	tcattcattgc	atgcaatgac	300
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ttgatgcgtc	ctctcccatg	gggtcaactg	aggaatctgc	cccactgctt	cctgtgagca	420
gatcaggacc	cttaggaaat	gtgcaataaa	catccaactc	caattcgaca	agcagagaaa	480
gaaaagttaa	tccaatgaca	gaggagcttt	cgagttttat	attgtttgca	tccggttgcc	540
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<210> 1375

<211> 1444

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. J03863

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<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. K02814

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<211> 685

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. L00320

<400> 1383

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<211> 2146

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. L07073

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2146

<210> 1385

<211> 643

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. L11319

<400> 1385

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<210> 1386

<211> 2455

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. L16764

<400> 1386

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<211> 3115

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. L16995

<400> 1387

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<210> 1388

<211> 494

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. L18948

<400> 1388

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<211> 952

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. L19698

<400> 1389

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<210> 1390

<211> 606

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. L22190

<400> 1390

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<211> 1363

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. L22339

<400> 1391

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<213> Rattus norvegicus

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<223> Genbank Accession No. L24207

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<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. L25387

<400> 1393

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<213> Rattus norvegicus

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<212> DNA

<213> *Rattus norvegicus*

<220>

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<213> *Rattus norvegicus*

<220>

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<213> Rattus norvegicus

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<211> 982

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. M15883

<400> 1407


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<213> *Rattus norvegicus*

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<223> Genbank Accession No. M18527

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<211> 2024

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. M23995

<400> 1412

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<213> Rattus norvegicus

<220>

<223> Genbank Accession No. M27207

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<211> 2280

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<213> Rattus norvegicus

<220>

<223> Genbank Accession No. M31178

<400> 1414

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<212> DNA

<213> *Rattus norvegicus*

<220>

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<213> *Rattus norvegicus*

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<211> 562
<212> DNA
<213> *Rattus norvegicus*

<220>
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<211> 1247

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. M55534

<400> 1419

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<213> *Rattus norvegicus*

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<223> Genbank Accession No. M57263

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<213> *Rattus norvegicus*

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<223> Genbank Accession No. M63991

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<213> *Rattus norvegicus*

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. M75281

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<213> Rattus norvegicus

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<210> 1430

<211> 1329

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. M98820

<400> 1430

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cagtgaggag aatgacctgt tctttgaggc tgacagacc caaaagatta aggattgctt 180
ccaagccctt gacttgggct gtccagatga gagcatccag cttcaaactc cacagcagca 240
tctcgacaag agcttcagga aggcagtgtc actcattgtg gctgtggaga agctgtggca 300
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gatgagagtg tttatgaatg aagcacaagc acatcatttt gatgagtatg aaataaatgt 1320
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<210> 1431

<211> 419

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. R46985

<220>

<221> misc_feature

<222> (1)..(419)

<223> n = a or c or g or t

<400> 1431

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aattatcaag aagtngggtc aagatgggtg gcttaagang tncggatggc ctcttggggn 360
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```

<210> 1432

<211> 2190

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S46785

<400> 1432

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gacagatccc ggagcgtcgg cagatgccga gggccccag tgccccgtcg cctgtacctg 240
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tgtccaaggg ccaaaggag ggaggtgctc gctgaattta agcatattag tcagcggagg 2160
aaaagaaact aaccaggatt ccctcagtaa 2190

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<210> 1433

<211> 601

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S56936

<400> 1433

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agcctatgtc aacgcctccg gagaacatgg catcgtgggt ttctctttgg gatccatggg 180
ctcagagatt ccagagaaga aagcgatgga aatcgctgag gctttgggca gaattcctca 240
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gcccttgttt ggtgatcaga tggacaacgc caagcgcag gaaactcggg gagctggggg 480
gacctgaat gtcctggaaa tgactgccga tgatttgga aacgccctta aaactgtcat 540
caataacaag agttacaagg agaacatcat gcgcctctcc agccttcaca aggaccgtcc 600
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<210> 1434

<211> 603

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S56937

<400> 1434

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gtgaccctga atgtcctgga aatgactgcc gatgatttgg aaaacgccct taaaactgtc 540
atcaataaca agagttacaa ggagaacatc atgcgcctct ccagccttca caaggaccgt 600
cct 603

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<210> 1435

<211> 195

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S69316

<400> 1435

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gagacttggt ttgatgctc cccaagcct cctctcccc tgcactgtaa aatggtggga 120
ttatgggtca caggaagaag tggtttttt agttgaattt ttttttttaa cattcctcct 180
gaatgtaaat ttgta 195

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<210> 1436

<211> 746

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S71021

<400> 1436

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agaacggtgg ccccgggtg gtgaagcttc gaaaaatgcc taggtattac cctactgaag 180
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caaagctgtc cccagctcg agggcctacc tgcggtctca gttctcctg acgaacggca 660
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aaaaaaaaa aaaaaaaaaa aaaaaa 746

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<210> 1437

<211> 1052

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S72505

<400> 1437

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ttaacaagag aactcaagca attgctgccg tgccggggaa gccagtcctt cactatttcg 180
atggcagggg gagaatggag cccatccggt ggctcctggc tgcagctgga gtagagtttg 240
aagaacaatt tctgaaaact cgggatgacc tggccaggct aaggaatgat gggagtttga 300
tgttccagca agtgcctatg gtggagattg atgggatgaa gctggtgcag accagagcca 360
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<210> 1438

<211> 1129

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. S72506

<400> 1438

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aatggagccc atccggtggc tcctggctgc agctggagta gagtttgaag aaaattttct 180
gaaaactcgg gatgacctgg ccagggttaag aagtgatggg agtttgatgt ttgaacaagt 240
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<210> 1439

<211> 1747

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. S76054

<400> 1439

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<210> 1440

<211> 1274

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S82820

<400> 1440

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<210> 1441

<211> 1790

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<213> *Rattus norvegicus*

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<223> Genbank Accession No. S85184

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<213> Rattus norvegicus

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<223> Genbank Accession No. U10357

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<213> *Rattus norvegicus*

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<210> 1460

<211> 1763

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U36992

<400> 1460

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<210> 1461

<211> 585

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U37099

<400> 1461

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<210> 1462

<211> 1782

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U39208

<400> 1462

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<210> 1463

<211> 2746

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U48220

<400> 1463

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<210> 1464

<211> 1384

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U49694

<400> 1464

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<210> 1465

<211> 1511

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U55765

<400> 1465

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<210> 1466

<211> 1451

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U58466

<400> 1466

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<210> 1467

<211> 432

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U59184

<400> 1467

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<212> DNA

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<220>

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 <213> Rattus norvegicus

<220>
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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U67138

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U68168

<400> 1472

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<211> 1051

<212> DNA

<213> Rattus norvegicus

<220>

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<220>

<221> misc_feature

<222> (1)..(1051)

<223> n = a or c or g or t

<400> 1473

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<211> 1428

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U73174

<400> 1474

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U75404

<400> 1475

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<211> 187

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U75405

<220>

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<223> n = a or c or g or t

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<213> Rattus norvegicus

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<210> 1482

<211> 1360

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U94708

<400> 1482

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<210> 1483

<211> 624

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U95001

<400> 1483

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<210> 1484

<211> 1574

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. V01225

<400> 1484

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tggtgtgata ttgccaagga atgtgagcgg tacttagcac ctaagggtat tggaggggtg 180
caggtctctc caccatga aaatattata attaataatc catcaaggcc ttggtgggaa 240

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<210> 1485

<211> 735

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. X02904

<400> 1485

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<210> 1486

<211> 1592

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. X03369

<400> 1486

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<210> 1487

<211> 927

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. X05566

<400> 1487

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<210> 1488

<211> 696

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. X06423

<400> 1488

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<210> 1489

<211> 1495

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. X12459

<400> 1489

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<210> 1490

<211> 1422

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. X13016

<400> 1490

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<210> 1491

<211> 1627

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. X13058

<400> 1491

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<213> *Rattus norvegicus*

<220>

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<213> Rattus norvegicus

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<212> DNA

<213> *Rattus norvegicus*

<220>

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<213> Rattus norvegicus

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<400> 1496

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<220>

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<211> 1316

<212> DNA

<213> Rattus norvegicus

<220>

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<213> Rattus norvegicus

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<213> *Rattus norvegicus*

<220>

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<211> 2277

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. X74593

<400> 1513

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<211> 722

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. X78327

<400> 1514

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<211> 1052

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. X78848

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<211> 1838

<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. X78949

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<211> 1941
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. X81395

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<211> 443

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. X81448

<400> 1518

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<211> 9176

<212> DNA

<213> Rattus norvegicus

<220>

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<400> 1519

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<210> 1523

<211> 1662

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. Y08355

<400> 1523

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<210> 1524

<211> 1711

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. Y09333

<400> 1524

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<210> 1525

<211> 1614

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. Y12635

<400> 1525

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<210> 1526

<211> 1632

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. Y15068

<400> 1526

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<210> 1527

<211> 1366

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. Z27118

<400> 1527

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<210> 1528

<211> 1634

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. Z48225

<400> 1528

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<210> 1529

<211> 1067

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. Z49761

<400> 1529

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<210> 1530

<211> 707

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. Z75029

<400> 1530

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<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM_012541

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<211> 1954

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_012545

<400> 1542

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_012551

<400> 1543

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<213> Rattus norvegicus

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<400> 1547

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<211> 2352

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<210> 1549

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<212> DNA

<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM_012597

<400> 1549

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<212> DNA

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<220>

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<220>
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<213> *Rattus norvegicus*

<220>

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<212> DNA

<213> Rattus norvegicus

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_012693

<400> 1561

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<211> 1936

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_012699

<400> 1562

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<210> 1563

<211> 3320

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_012716

<400> 1563

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<213> *Rattus norvegicus*

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<212> DNA

<213> Rattus norvegicus

<220>

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<400> 1565

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_012770

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<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_012789

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<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM_012792

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<212> DNA

<213> Rattus norvegicus

<220>

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<400> 1572

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<213> *Rattus norvegicus*

<220>

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<400> 1573

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<210> 1574

<211> 1124

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_012797

<400> 1574

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<211> 1543

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_012803

<400> 1575

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_012816

<400> 1576

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<211> 1454

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_012823

<400> 1577

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 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. NM_012833

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<211> 590

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_012838

<400> 1579

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<210> 1580

<211> 1242

<212> DNA

<213> Rattus norvegicus

<220>

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_012880

<400> 1581

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_012881

<400> 1582

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<210> 1583

<211> 3508

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_012887

<400> 1583

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 <213> *Rattus norvegicus*

<220>
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<220>
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<210> 1586

<211> 6639

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_012918

<400> 1586

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<213> Rattus norvegicus

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<213> *Rattus norvegicus*

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<211> 664

<212> DNA

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<220>

<223> Genbank Accession No. NM_013027

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<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM_013043

<400> 1595

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<210> 1596

<211> 1689

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_013052

<400> 1596

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<210> 1597

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_013059

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<211> 1519

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_013078

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<220>
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 <213> *Rattus norvegicus*

<220>
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<211> 2130

<212> DNA

<213> *Rattus norvegicus*

<220>

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<400> 1607

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<213> Rattus norvegicus

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<210> 1611

<211> 1911

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_013185

<400> 1611

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<210> 1612

<211> 2389

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_013198

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<210> 1613

<211> 2826

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_013200

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<210> 1614
<211> 1523
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. NM_013214

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<210> 1615
<211> 1272
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. NM_013215

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<211> 1088

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_013216

<400> 1616

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<210> 1617

<211> 1866

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_016986

<400> 1617

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<213> Rattus norvegicus

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<223> Genbank Accession No. NM_016987

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<213> Rattus norvegicus

<220>

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<220>
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<220>
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<212> DNA

<213> Rattus norvegicus

<220>

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<211> 1492

<212> DNA

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<211> 966

<212> DNA

<213> Rattus norvegicus

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<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_017073

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<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_017074

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<212> DNA

<213> Rattus norvegicus

<220>

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<220>
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<220>
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<213> Rattus norvegicus

<220>
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<210> 1637

<211> 1039

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_017147

<400> 1637

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<210> 1638

<211> 801

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_017160

<400> 1638

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<210> 1639

<211> 1679

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_017177

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<210> 1640

<211> 1386

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_017181

<400> 1640

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<211> 1072

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_017187

<400> 1641

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<210> 1642

<211> 1290

<212> DNA

<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM_017189

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<211> 1828

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_017193

<400> 1643

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<210> 1644

<211> 2622

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_017208

<400> 1644

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<213> Rattus norvegicus

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<400> 1645

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<213> Rattus norvegicus

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<223> Genbank Accession No. NM_017274

<400> 1648

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<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM_017278

<400> 1649

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<213> *Rattus norvegicus*

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<210> 1652

<211> 970

<212> DNA

<213> *Rattus norvegicus*

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<210> 1653

<211> 932

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_017283

<400> 1653

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<210> 1654

<211> 1490

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_017288

<400> 1654

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```

<210> 1655

<211> 1879

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_017300

<400> 1655

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tccagagcac tctgcatttc agaggggtcg tgtcgaacta cggttttggc gaagacattc 180
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catactttcc agtagaaggc aaagtattca gttcctcctt ggatagtctg attctggaaa 600
gggtggtatat ggcacctggg gtcactagga tccatgtaaa ggaaggccga atccggggag 660
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```

<210> 1656

<211> 796

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_017309

<400> 1656

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gtttgaggcc atggtg

796

<210> 1657

<211> 2068

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_017327

<400> 1657

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gaacttgaaa ggatttaaaa aaaaaaaac atttctcatg tgctttgtag ctttaaaaag 2040
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<210> 1658

<211> 436

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_017334

<400> 1658

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gctgtaactg gagatgaaac tgatgaggag actgaccttg cccaagtca catggctgct 120
gccacaggtg acatgccaac ttaccagatc cgagctccta ctactgcttt gccacaaggt 180
gtggtgatgg ctgcctcacc aggaagcctg cacagtcctc agcaactagc agaagaagca 240
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cgaaagaaag agtatgtcaa gtgtcttgag agtcgagtcg cagtgtgga agttcagaac 360
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tagaaatatt taacta 436

```

<210> 1659

<211> 722

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_019165

<400> 1659

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<210> 1660

<211> 1018

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_019170

<400> 1660

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<210> 1661
 <211> 1856
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. NM_019184

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<210> 1662
 <211> 1192
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. NM_019190

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<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_019206

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<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM_019229

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<211> 1547

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM_019237

<400> 1668

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<211> 1662

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM_019238

<400> 1669

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<211> 1736

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_019242

<400> 1670

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<210> 1671

<211> 1136

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_019262

<400> 1671

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<210> 1672

<211> 1940

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_019283

<400> 1672

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<210> 1673

<211> 1430

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_019289

<400> 1673

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<210> 1674
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 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. NM_019290

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<210> 1675
 <211> 1459
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <223> Genbank Accession No. NM_019291

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<210> 1676

<211> 988

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_019292

<400> 1676

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<210> 1677

<211> 1201

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_019293

<400> 1677

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<210> 1678

<211> 1768

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_019303

<220>

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<222> (1)..(1759)

<223> n = a or c or g or t

<400> 1678

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<210> 1679

<211> 1575
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<213> Rattus norvegicus

<220>
<223> Genbank Accession No. NM_019354

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<211> 1377
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. NM_019356

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<210> 1681

<211> 1932

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_019359

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<210> 1682

<211> 1395

<212> DNA
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_019905

<400> 1682

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<210> 1683

<211> 546

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_020082

<220>

<221> misc_feature

<222> (1)..(546)

<223> n = a or c or g or t

<400> 1683

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<210> 1684
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 <212> DNA
 <213> *Rattus norvegicus*

<220>
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<210> 1685

<211> 1574

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_021577

<400> 1685

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<210> 1686

<211> 1733

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_021593

<400> 1686

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<210> 1687

<211> 2106

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM_021653

<400> 1687

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<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM_021750

<400> 1688

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<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM_021754

<400> 1689

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<213> *Rattus norvegicus*

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<211> 1035

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM_021836

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<211> 3711

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_022287

<400> 1698

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<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_022298

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<213> Rattus norvegicus

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_021909

<400> 1701

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<212> DNA

<213> *Rattus norvegicus*

<220>

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 <213> Rattus norvegicus

<220>
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<220>
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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_022543

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<213> Rattus norvegicus

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<223> Genbank Accession No. NM_022584

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<213> *Rattus norvegicus*

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<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM_022697

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<213> Rattus norvegicus

<220>

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<212> DNA

<213> Rattus norvegicus

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_022960

<400> 1718

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<213> *Rattus norvegicus*

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<211> 806

<212> DNA

<213> *Rattus norvegicus*

<220>

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<213> *Rattus norvegicus*

<220>

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<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM_024152

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM_024159

<400> 1725

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<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM_024163

<400> 1726

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<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM_017010

<400> 1727

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM_012894

<400> 1728

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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